

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111124\
 Data File : BP023009.D
 Acq On : 11 Nov 2024 11:34
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL 4 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Nov 11 12:12:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 23:36:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	46904	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	173620	20.000	ng	0.00
39) Acenaphthene-d10	14.210	164	145272	20.000	ng	0.00
64) Phenanthrene-d10	17.022	188	372032	20.000	ng	0.00
76) Chrysene-d12	21.445	240	469181	20.000	ng	-0.02
86) Perylene-d12	24.680	264	581770	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	274676	111.136	ng	0.00
7) Phenol-d6	6.787	99	380144	110.291	ng	0.00
23) Nitrobenzene-d5	8.728	82	308239	83.875	ng	-0.01
42) 2,4,6-Tribromophenol	15.728	330	332652	118.136	ng	-0.02
45) 2-Fluorobiphenyl	12.810	172	822084	80.858	ng	0.00
79) Terphenyl-d14	19.751	244	2000227	80.064	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.175	88	4488	4.548	ng	95
3) Pyridine	3.599	79	9088m	3.354	ng	
4) n-Nitrosodimethylamine	3.493	42	5273	4.037	ng	# 66
6) Aniline	6.940	93	13742	4.783	ng	98
8) 2-Chlorophenol	7.163	128	9652	3.726	ng	88
9) Benzaldehyde	6.763	77	10645	5.344	ng	92
10) Phenol	6.810	94	12955	3.795	ng	# 66
11) bis(2-Chloroethyl)ether	7.028	93	9737	3.776	ng	92
12) 1,3-Dichlorobenzene	7.481	146	12091	3.657	ng	90
13) 1,4-Dichlorobenzene	7.622	146	12959m	3.838	ng	
14) 1,2-Dichlorobenzene	7.928	146	11821	3.621	ng	94
15) Benzyl Alcohol	7.851	79	6293	2.411	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.098	45	10989	3.927	ng	93
17) 2-Methylphenol	8.046	107	7506	3.239	ng	91
18) Hexachloroethane	8.640	117	4718	3.778	ng	96
19) n-Nitroso-di-n-propyla...	8.381	70	8599	3.645	ng	# 96
20) 3+4-Methylphenols	8.387	107	10521	3.249	ng	91
22) Acetophenone	8.410	105	18363	3.973	ng	93
24) Nitrobenzene	8.775	77	13525	3.623	ng	92
25) Isophorone	9.298	82	21914	3.523	ng	# 93
26) 2-Nitrophenol	9.498	139	5217	3.403	ng	94
27) 2,4-Dimethylphenol	9.569	122	6183	3.532	ng	88
28) bis(2-Chloroethoxy)met...	9.775	93	12214	3.457	ng	91
29) 2,4-Dichlorophenol	10.051	162	9326	3.078	ng	91
30) 1,2,4-Trichlorobenzene	10.216	180	14262	3.682	ng	91
31) Naphthalene	10.387	128	30972	3.560	ng	99
32) Benzoic acid	9.693	122	4853m	2.309	ng	
33) 4-Chloroaniline	10.545	127	11192	3.615	ng	97
34) Hexachlorobutadiene	10.657	225	10246	3.606	ng	98
35) Caprolactam	11.316	113	2987m	3.293	ng	
36) 4-Chloro-3-methylphenol	11.675	107	10778	3.190	ng	97
37) 2-Methylnaphthalene	12.010	142	23214	3.563	ng	97
38) 1-Methylnaphthalene	12.228	142	21964	3.396	ng	94
40) 1,2,4,5-Tetrachloroben...	12.387	216	18371	3.735	ng	99
41) Hexachlorocyclopentadiene	12.351	237	3370	2.440	ng	89
43) 2,4,6-Trichlorophenol	12.651	196	9894	3.163	ng	96

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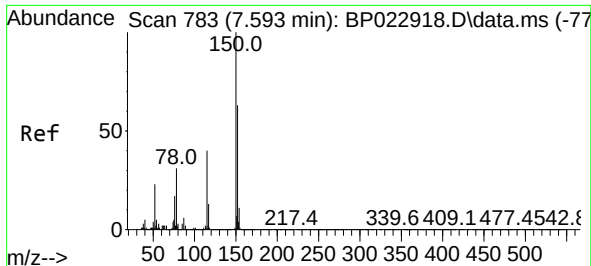
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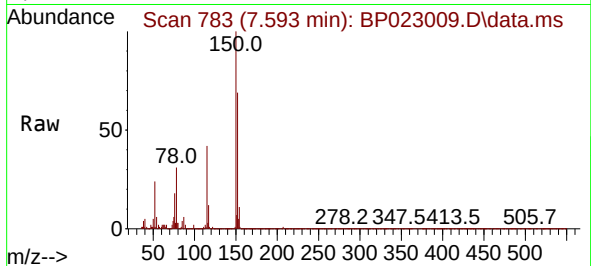
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.745	196	11269	3.165	ng	92
46) 1,1'-Biphenyl	13.034	154	37844	3.919	ng	99
47) 2-Chloronaphthalene	13.075	162	28569	3.565	ng	96
48) 2-Nitroaniline	13.310	65	6797	2.911	ng	97
49) Acenaphthylene	13.922	152	42642	3.810	ng	97
50) Dimethylphthalate	13.669	163	38940	3.661	ng	# 96
51) 2,6-Dinitrotoluene	13.804	165	7641	3.159	ng	91
52) Acenaphthene	14.269	154	26108	3.628	ng	96
53) 3-Nitroaniline	14.163	138	5756	2.929	ng	87
55) Dibenzofuran	14.616	168	46696	3.695	ng	97
57) 2,4-Dinitrotoluene	14.616	165	9703	2.775	ng	# 66
58) Fluorene	15.280	166	36744	3.499	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.869	232	11221	3.268	ng	# 94
60) Diethylphthalate	15.051	149	36464	3.447	ng	98
61) 4-Chlorophenyl-phenyle...	15.275	204	22004	3.555	ng	93
62) 4-Nitroaniline	15.345	138	5364m	2.660	ng	
63) Azobenzene	15.580	77	31617	3.476	ng	94
65) 4,6-Dinitro-2-methylph...	15.410	198	5246	2.318	ng	84
66) n-Nitrosodiphenylamine	15.504	169	31901	3.468	ng	99
67) 4-Bromophenyl-phenylether	16.192	248	15700	3.518	ng	# 93
68) Hexachlorobenzene	16.316	284	20111	3.519	ng	92
69) Atrazine	16.480	200	13319	4.296	ng	97
70) Pentachlorophenol	16.692	266	9545	2.615	ng	96
71) Phenanthrene	17.063	178	68137	3.784	ng	99
72) Anthracene	17.157	178	63373	3.668	ng	99
73) Carbazole	17.457	167	54644	3.311	ng	99
74) Di-n-butylphthalate	18.027	149	56567	3.076	ng	97
75) Fluoranthene	19.169	202	83627	3.348	ng	99
77) Benzidine	19.369	184	32647	3.522	ng	96
78) Pyrene	19.545	202	90350	3.253	ng	99
80) Butylbenzylphthalate	20.480	149	26561	2.805	ng	95
81) Benzo(a)anthracene	21.427	228	103986	3.562	ng	97
82) 3,3'-Dichlorobenzidine	21.357	252	36681	3.104	ng	98
83) Chrysene	21.492	228	102028	3.731	ng	99
84) Bis(2-ethylhexyl)phtha...	21.351	149	37396	2.752	ng	# 99
85) Di-n-octyl phthalate	22.574	149	63721	2.806	ng	100
87) Indeno(1,2,3-cd)pyrene	28.345	276	146718	3.739	ng	# 94
88) Benzo(b)fluoranthene	23.657	252	116569	3.411	ng	95
89) Benzo(k)fluoranthene	23.727	252	112789	3.495	ng	98
90) Benzo(a)pyrene	24.521	252	102776	3.514	ng	99
91) Dibenzo(a,h)anthracene	28.397	278	120586	3.747	ng	96
92) Benzo(g,h,i)perylene	29.480	276	113509	3.443	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.593 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

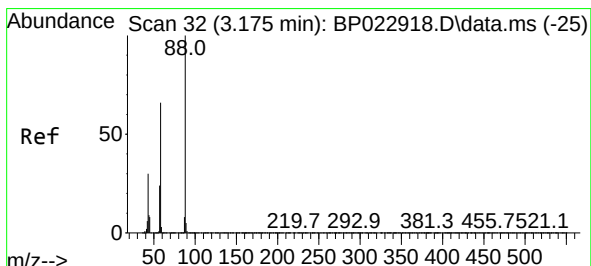
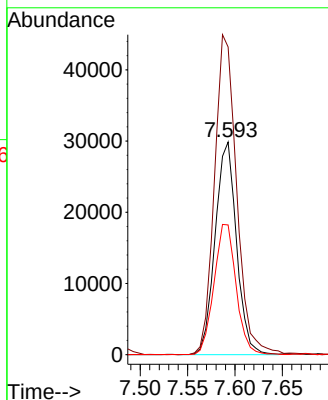
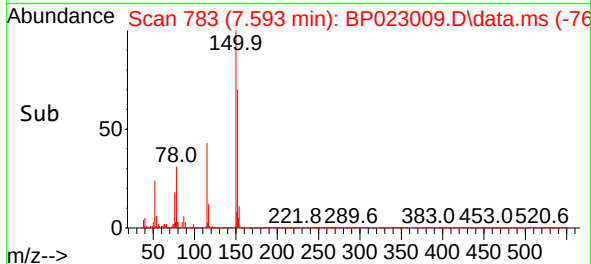
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 152 Resp: 46904
Ion Ratio Lower Upper
152 100
150 144.7 127.0 190.4
115 61.1 50.5 75.7

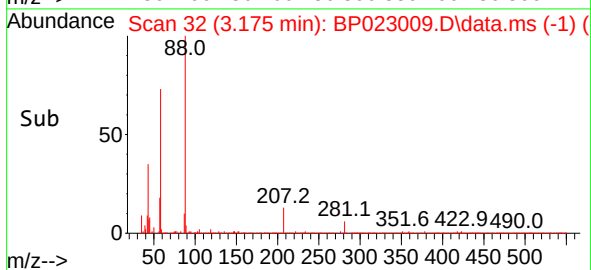
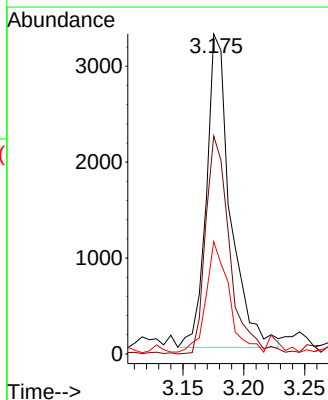
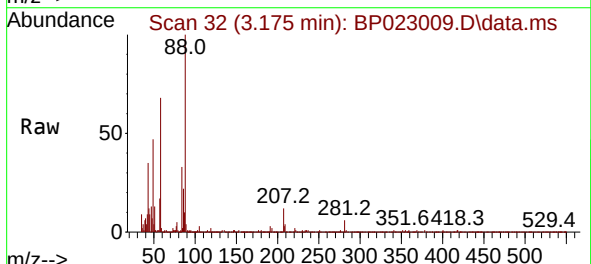
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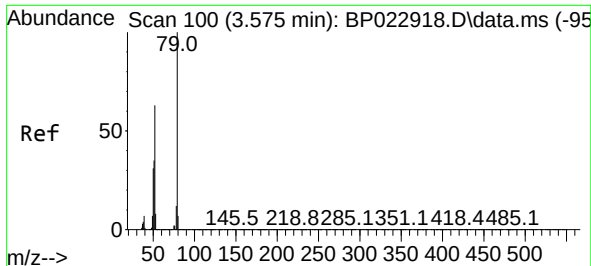
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#2
1,4-Dioxane
Concen: 4.548 ng
RT: 3.175 min Scan# 32
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion: 88 Resp: 4488
Ion Ratio Lower Upper
88 100
58 69.4 52.8 79.2
43 33.2 23.4 35.0





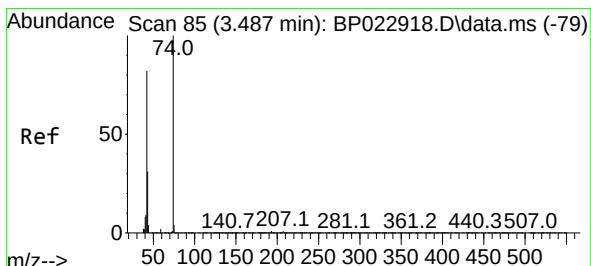
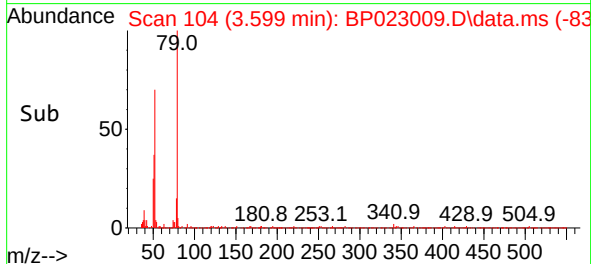
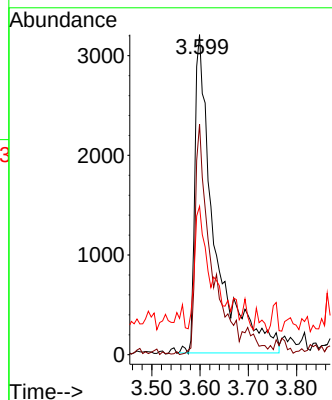
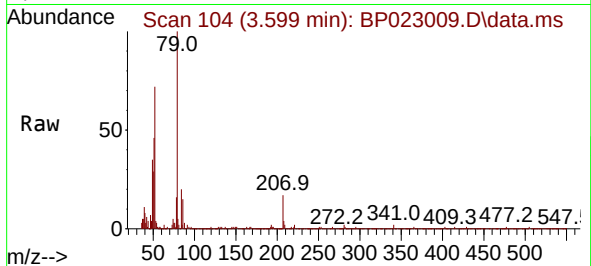
#3
Pyridine
Concen: 3.354 ng m
RT: 3.599 min Scan# 104
Delta R.T. 0.024 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 79 Resp: 908
Ion Ratio Lower Upper
79 100
52 72.1 50.4 75.6
51 46.3 28.6 43.0

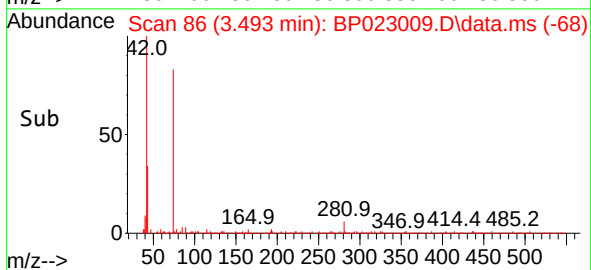
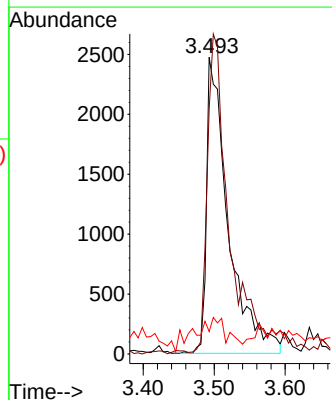
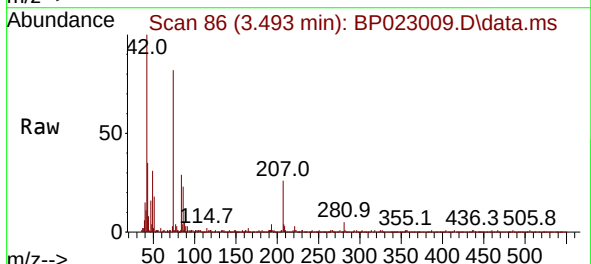
Manual Integrations
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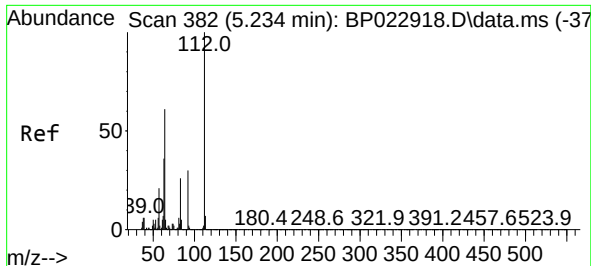
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#4
n-Nitrosodimethylamine
Concen: 4.037 ng
RT: 3.493 min Scan# 86
Delta R.T. 0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion: 42 Resp: 5273
Ion Ratio Lower Upper
42 100
74 82.5 97.7 146.5#
44 7.6 4.5 6.7#





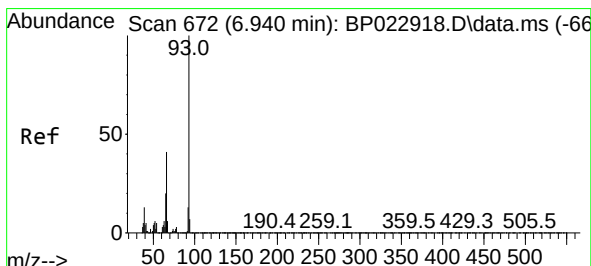
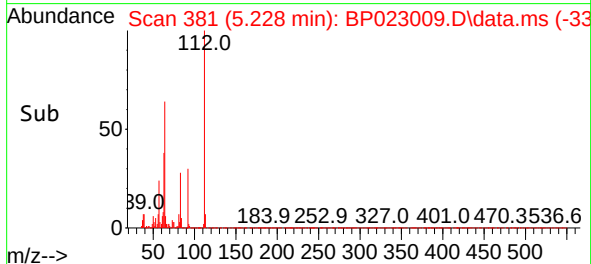
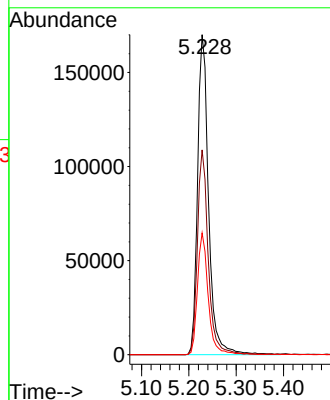
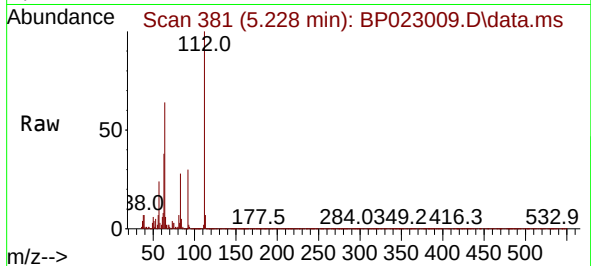
#5
2-Fluorophenol
Concen: 111.136 ng
RT: 5.228 min Scan# 381
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:112 Resp: 274670
Ion Ratio Lower Upper
112 100
64 64.0 48.7 73.1
63 38.0 29.0 43.4

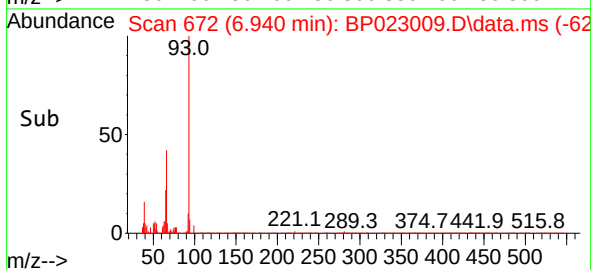
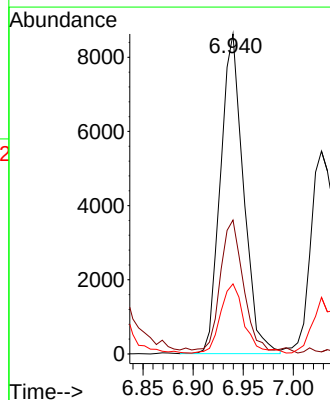
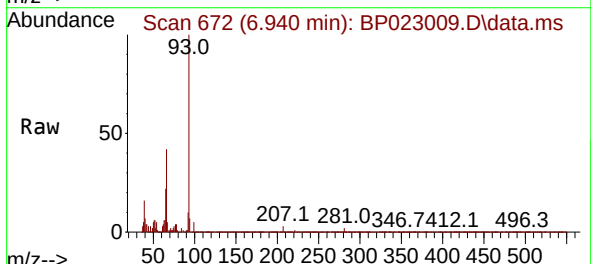
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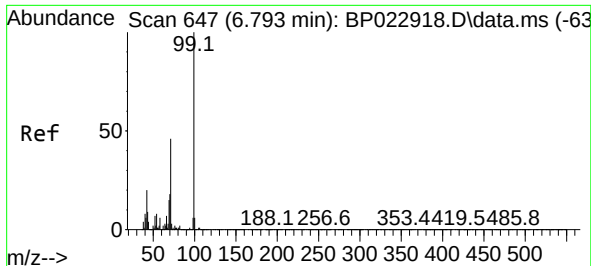
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#6
Aniline
Concen: 4.783 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

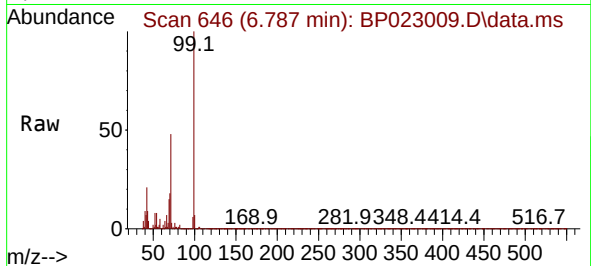
Tgt Ion: 93 Resp: 13742
Ion Ratio Lower Upper
93 100
66 41.8 32.9 49.3
65 21.9 16.0 24.0





#7
Phenol-d6
Concen: 110.291 ng
RT: 6.787 min Scan# 647
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

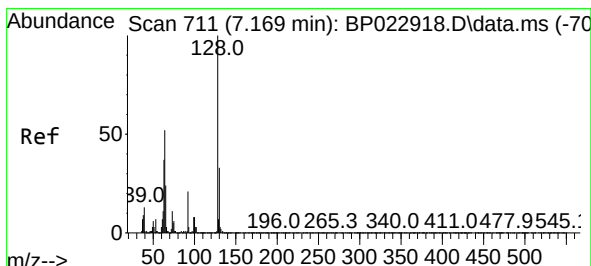
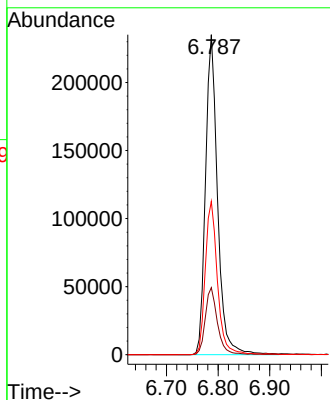
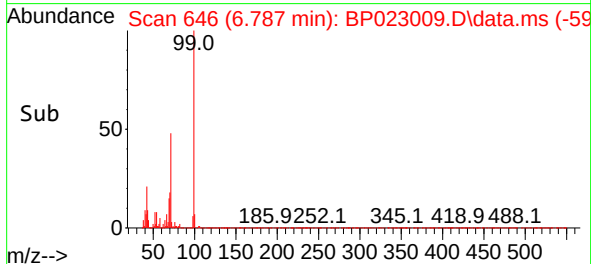
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 99 Resp: 380144
Ion Ratio Lower Upper
99 100
42 21.0 15.8 23.6
71 47.9 36.6 55.0

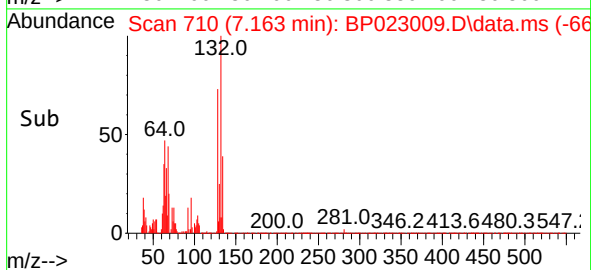
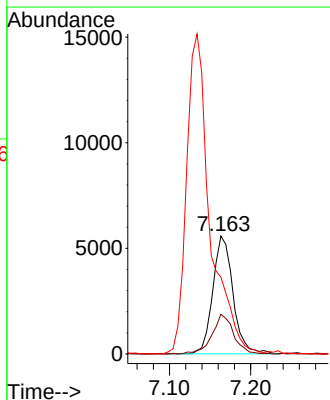
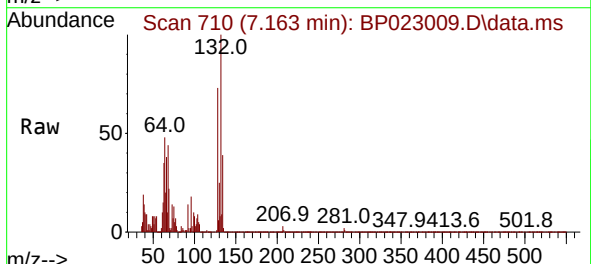
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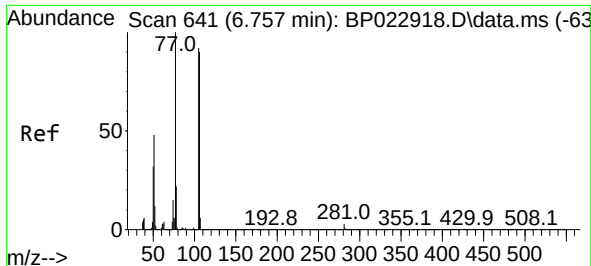
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#8
2-Chlorophenol
Concen: 3.726 ng
RT: 7.163 min Scan# 710
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:128 Resp: 9652
Ion Ratio Lower Upper
128 100
130 33.7 12.6 52.6
64 65.0 32.7 72.7





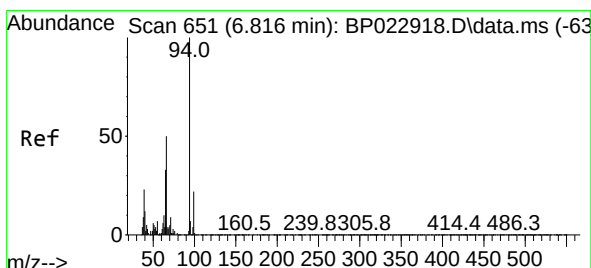
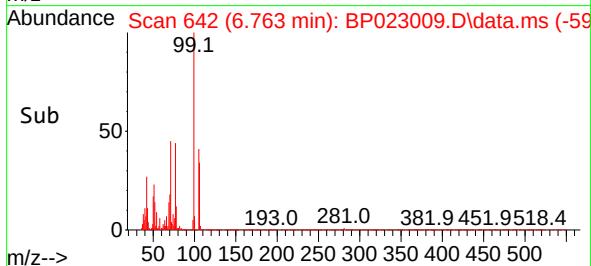
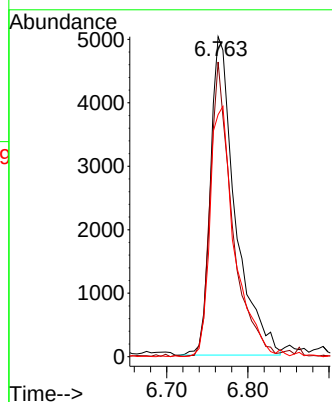
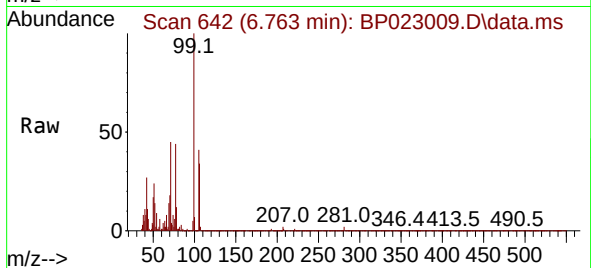
#9
Benzaldehyde
Concen: 5.344 ng
RT: 6.763 min Scan# 641
Delta R.T. 0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion	Ratio	Lower	Upper
77	100		
105	92.1	71.4	111.4
106	75.7	69.9	109.9

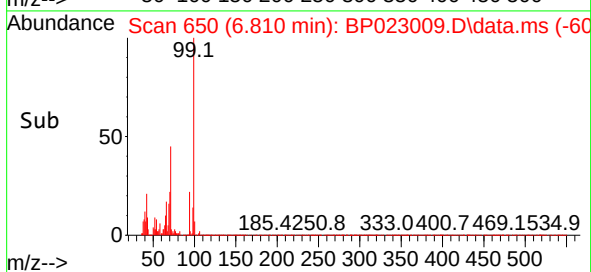
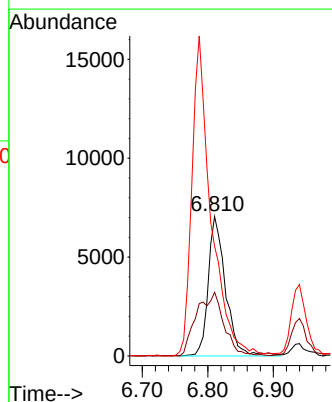
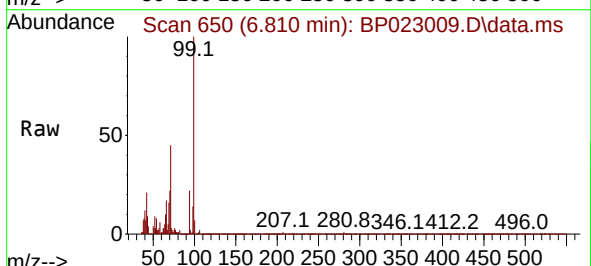
Manual Integrations
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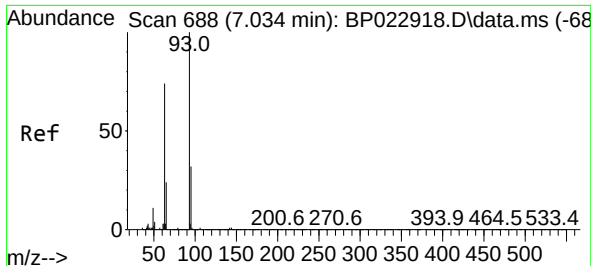
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#10
Phenol
Concen: 3.795 ng
RT: 6.810 min Scan# 650
Delta R.T. -0.006 min
Lab File: BP023009.D
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Tgt Ion	Ratio	Lower	Upper
94	100		
65	45.6	12.9	52.9
66	78.5	30.0	70.0





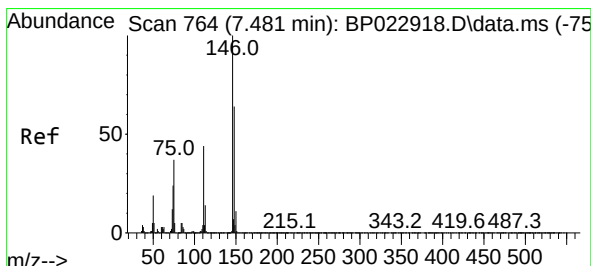
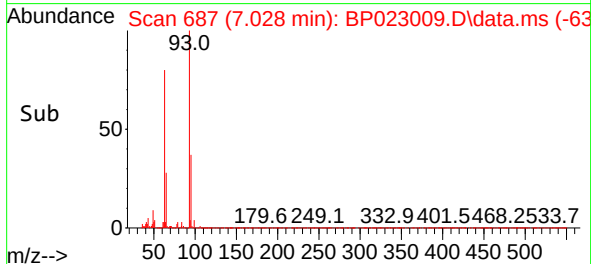
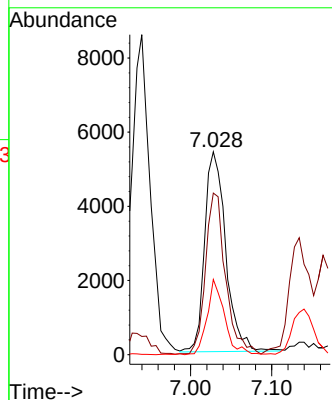
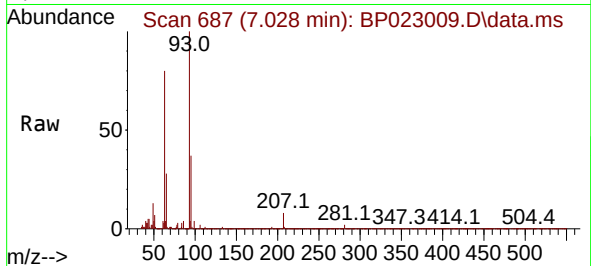
#11
bis(2-Chloroethyl)ether
Concen: 3.776 ng
RT: 7.028 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion	Ratio	Lower	Upper
93	100		
63	79.6	53.6	93.6
95	37.1	12.1	52.1

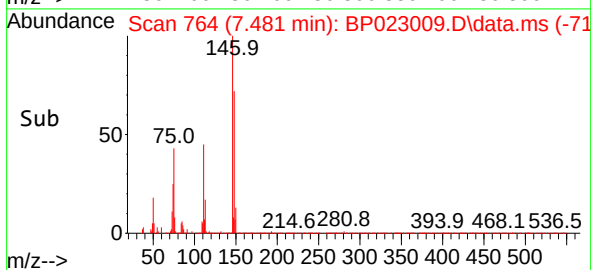
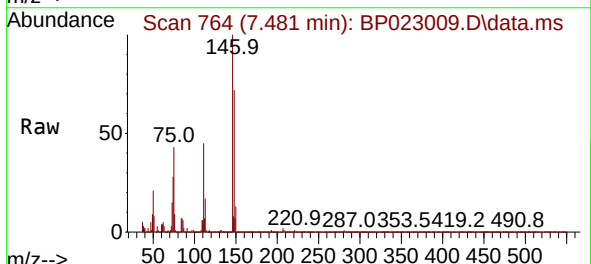
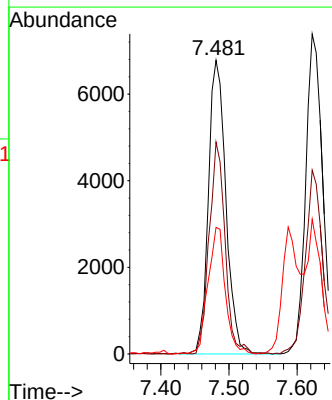
Manual Integrations
APPROVED

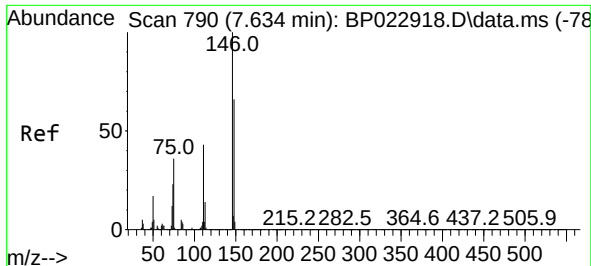
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#12
1,3-Dichlorobenzene
Concen: 3.657 ng
RT: 7.481 min Scan# 764
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	72.2	51.4	77.0
75	43.1	29.3	43.9





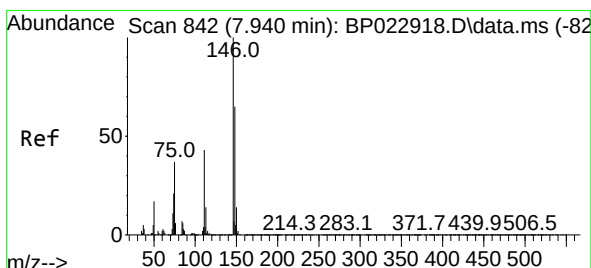
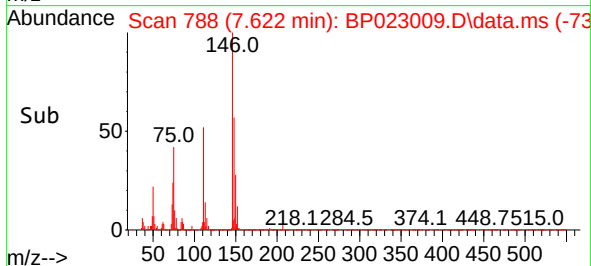
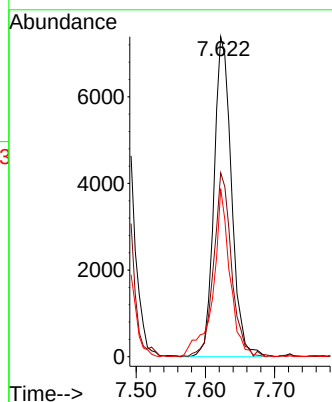
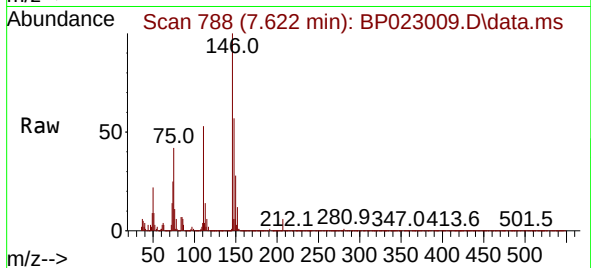
#13
1,4-Dichlorobenzene
Concen: 3.838 ng m
RT: 7.622 min Scan# 790
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:146 Resp: 1295
Ion Ratio Lower Upper
146 100
148 57.5 53.2 79.8
111 52.5 35.0 52.4

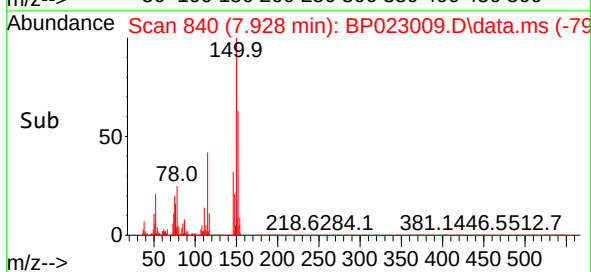
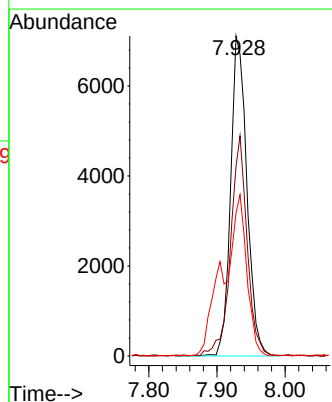
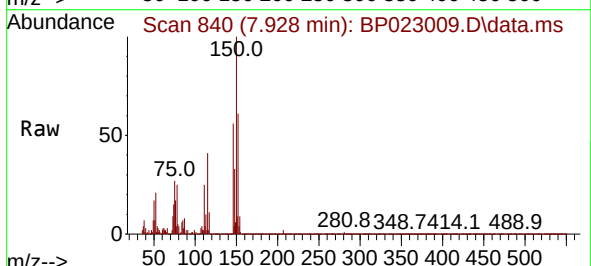
Manual Integrations
APPROVED

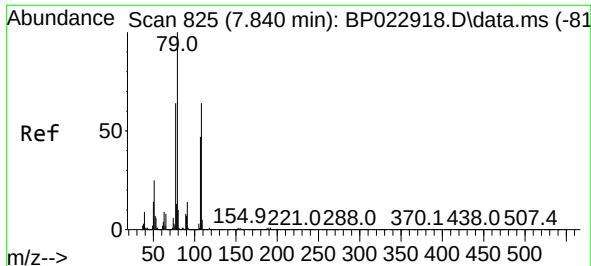
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#14
1,2-Dichlorobenzene
Concen: 3.621 ng
RT: 7.928 min Scan# 840
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

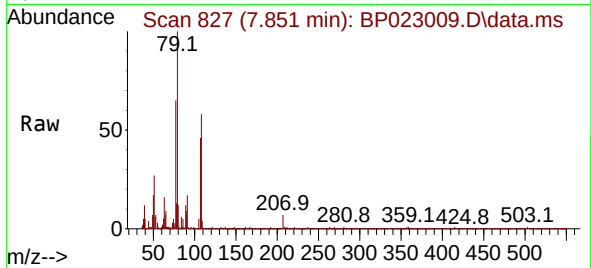
Tgt Ion:146 Resp: 11821
Ion Ratio Lower Upper
146 100
148 59.3 52.4 78.6
111 44.7 34.2 51.4





#15
Benzyl Alcohol
Concen: 2.411 ng
RT: 7.851 min Scan# 811
Delta R.T. 0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

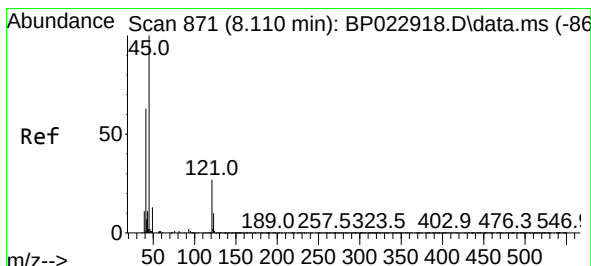
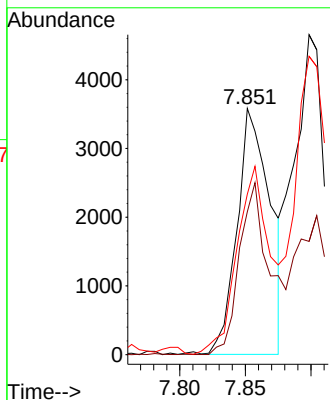
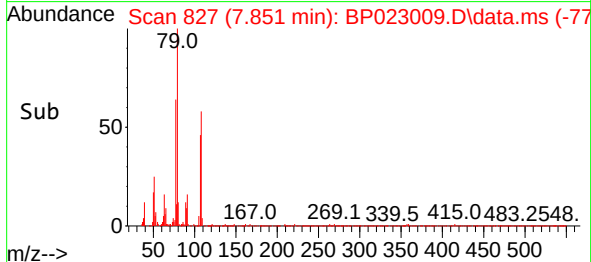
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



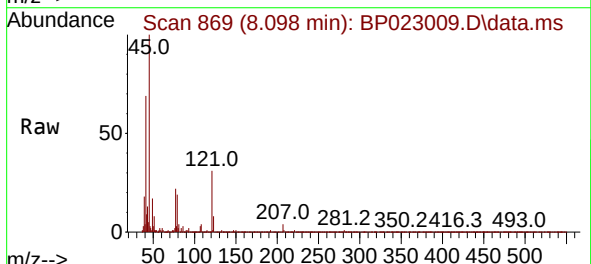
Tgt Ion: 79 Resp: 629
Ion Ratio Lower Upper
79 100
108 58.0 51.2 76.8
77 65.2 51.3 76.9

Manual Integrations
APPROVED

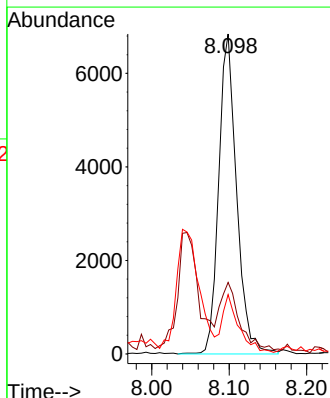
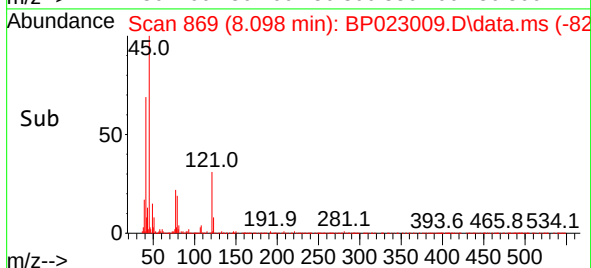
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

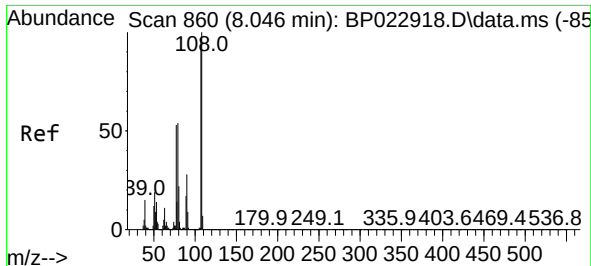


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.927 ng
RT: 8.098 min Scan# 869
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34



Tgt Ion: 45 Resp: 10989
Ion Ratio Lower Upper
45 100
77 22.3 0.0 39.5
79 18.6 0.0 34.9





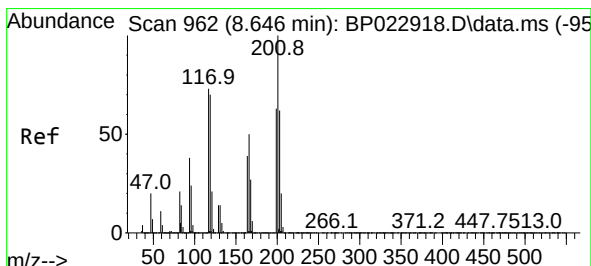
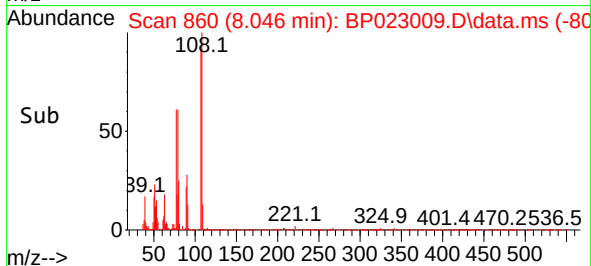
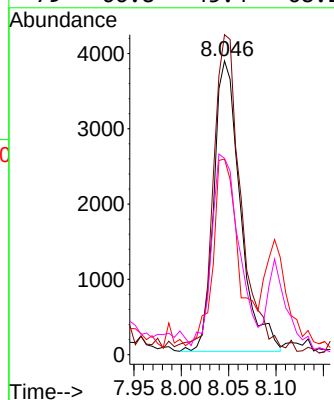
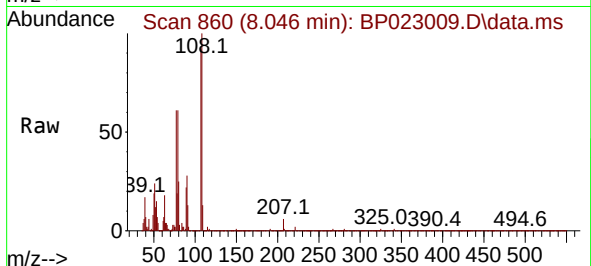
#17
2-Methylphenol
Concen: 3.239 ng
RT: 8.046 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:	107	Resp:	7500
Ion	Ratio	Lower	Upper
107	100		
108	108.9	83.7	125.5
77	66.6	45.0	67.4
79	66.8	45.4	68.2

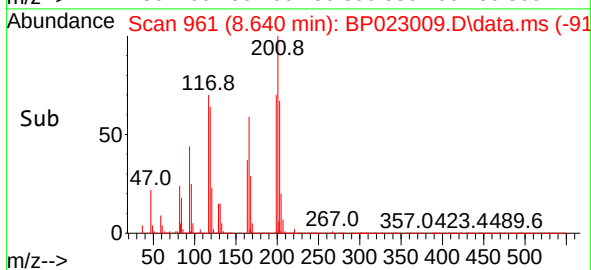
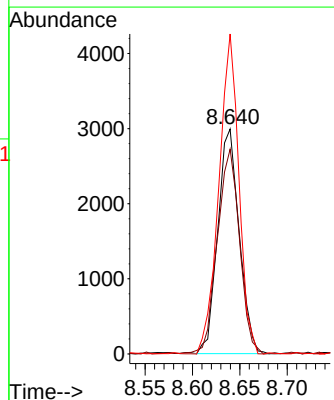
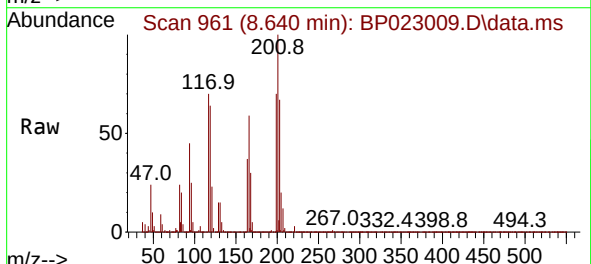
Manual Integrations
APPROVED

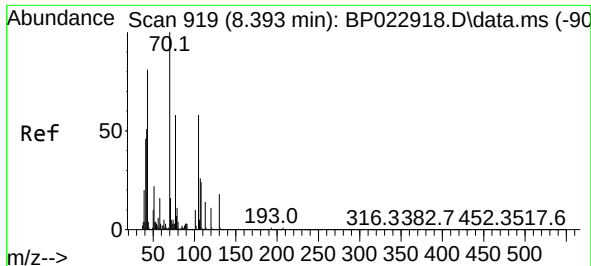
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#18
Hexachloroethane
Concen: 3.778 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

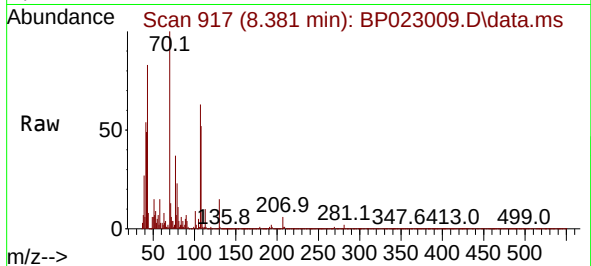
Tgt Ion:	117	Resp:	4718
Ion	Ratio	Lower	Upper
117	100		
119	91.1	76.7	115.1
201	142.2	110.0	165.0





#19
n-Nitroso-di-n-propylamine
Concen: 3.645 ng
RT: 8.381 min Scan# 917
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

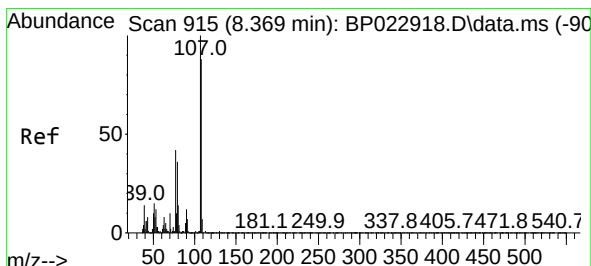
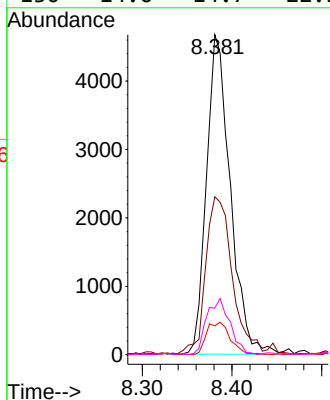
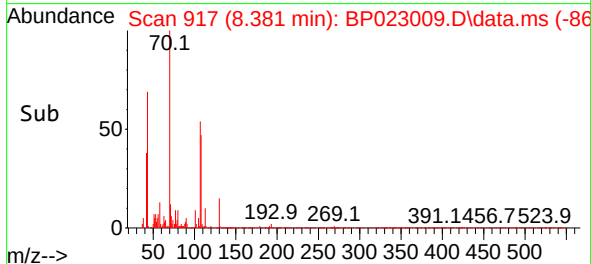
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



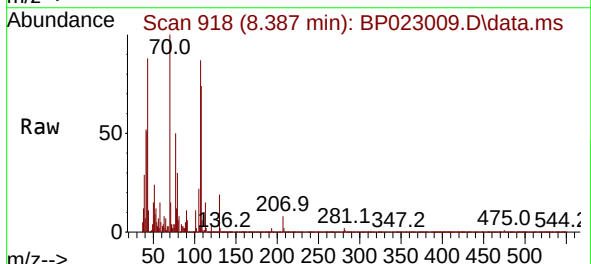
Tgt Ion: 70 Resp: 8599
Ion Ratio Lower Upper
70 100
42 49.3 41.0 61.6
101 9.0 7.8 11.6
130 14.6 14.7 22.1#

Manual Integrations
APPROVED

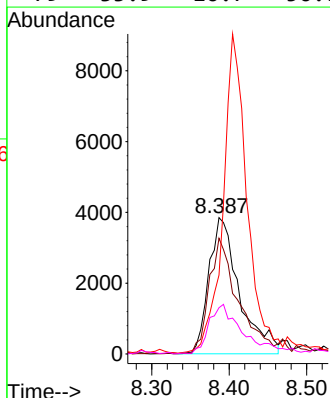
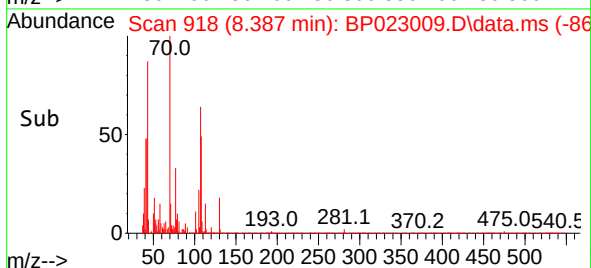
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

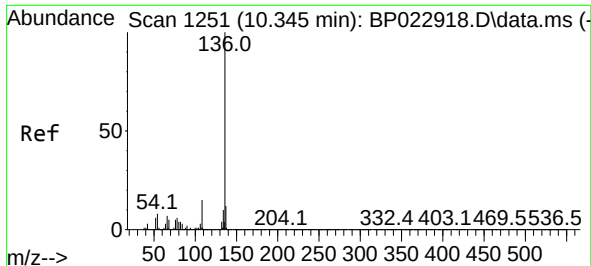


#20
3+4-Methylphenols
Concen: 3.249 ng
RT: 8.387 min Scan# 918
Delta R.T. 0.018 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34



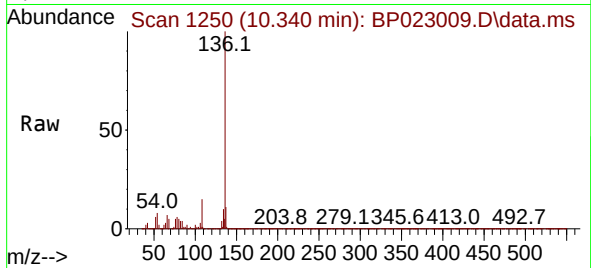
Tgt Ion:107 Resp: 10521
Ion Ratio Lower Upper
107 100
108 84.9 67.6 107.6
77 57.8 22.6 62.6
79 33.9 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

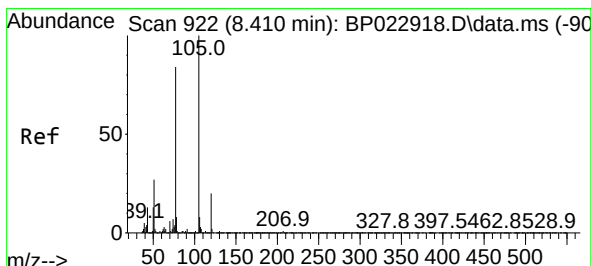
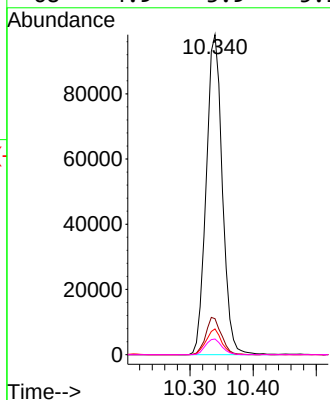
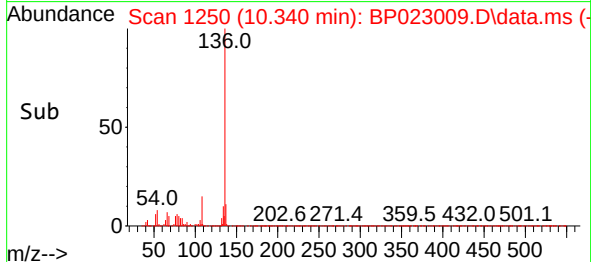
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:	136	Resp:	173620
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.4	14.0
54	8.1	6.4	9.6
68	4.9	3.9	5.9

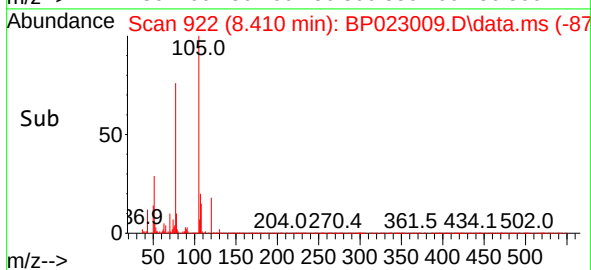
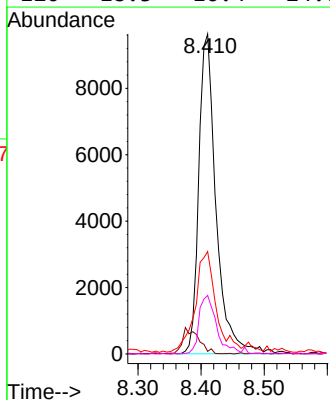
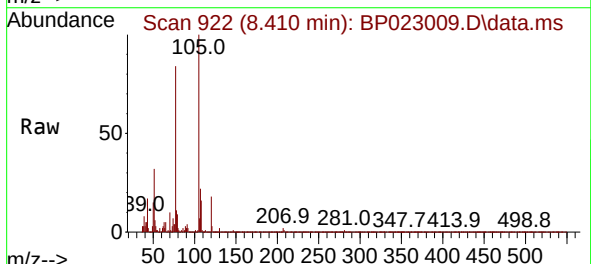
Manual Integrations
APPROVED

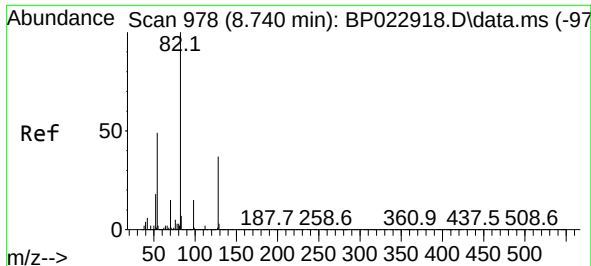
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#22
Acetophenone
Concen: 3.973 ng
RT: 8.410 min Scan# 922
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

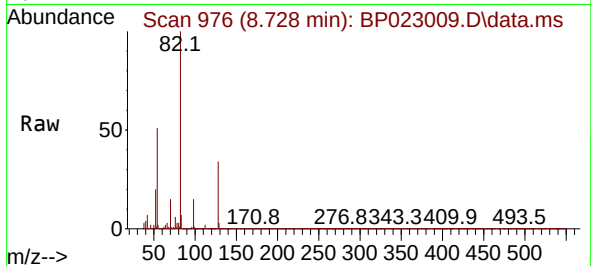
Tgt Ion:	105	Resp:	18363
Ion Ratio	Lower	Upper	
105	100		
71	1.0	0.7	1.1
51	32.0	21.7	32.5
120	18.3	16.4	24.6





#23
Nitrobenzene-d5
Concen: 83.875 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

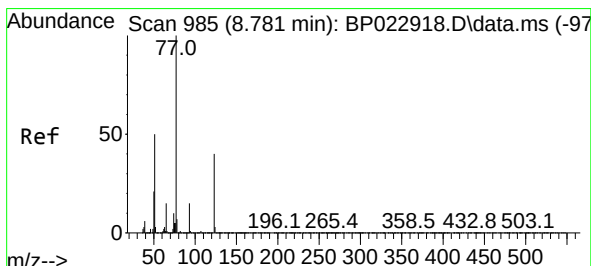
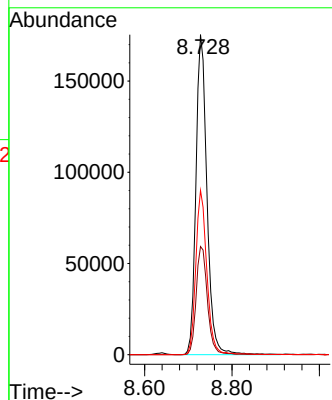
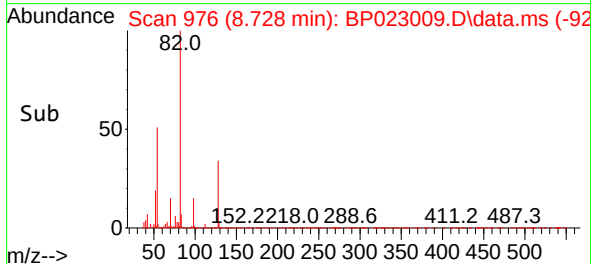
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 82 Resp: 308239
Ion Ratio Lower Upper
82 100
128 33.8 29.8 44.8
54 51.3 39.0 58.4

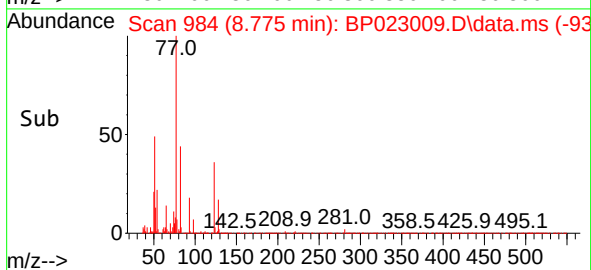
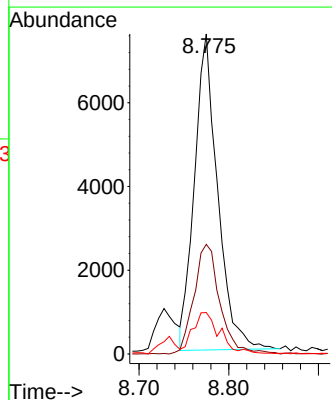
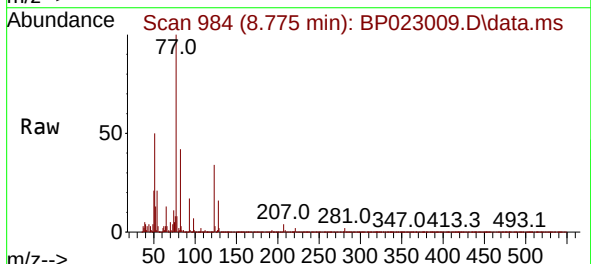
Manual Integrations
APPROVED

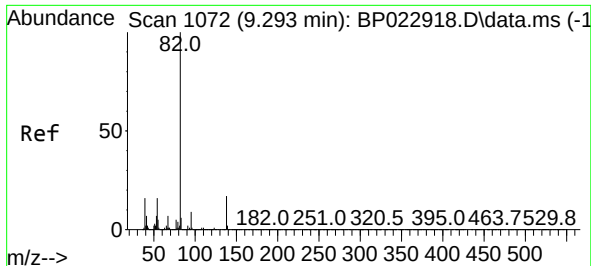
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#24
Nitrobenzene
Concen: 3.623 ng
RT: 8.775 min Scan# 984
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion: 77 Resp: 13525
Ion Ratio Lower Upper
77 100
123 34.2 32.2 48.4
65 12.9 11.7 17.5





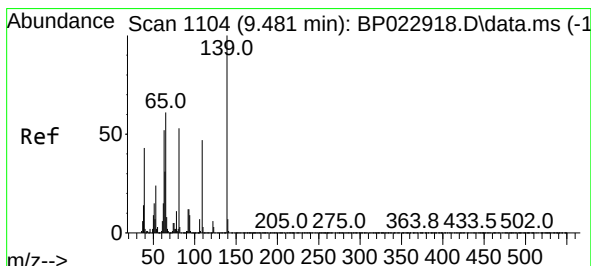
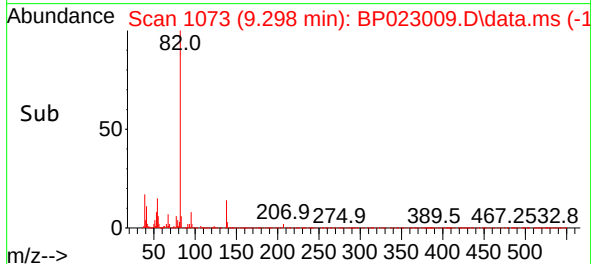
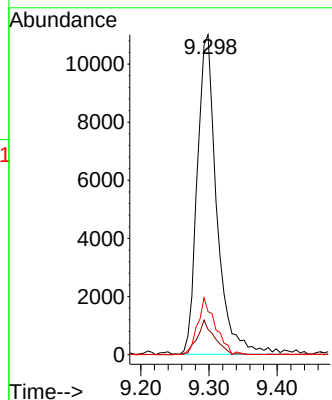
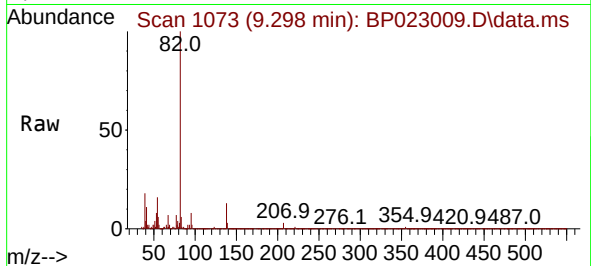
#25
Isophorone
Concen: 3.523 ng
RT: 9.298 min Scan# 1107
Delta R.T. 0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 82 Resp: 21914
Ion Ratio Lower Upper
82 100
95 7.9 7.4 11.2
138 13.5 13.7 20.5

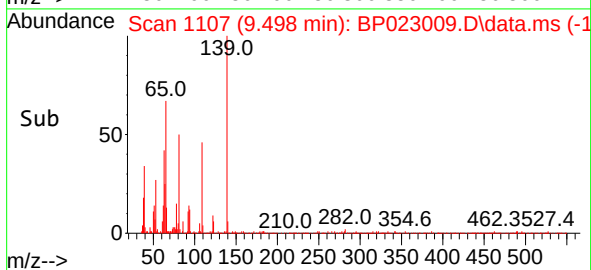
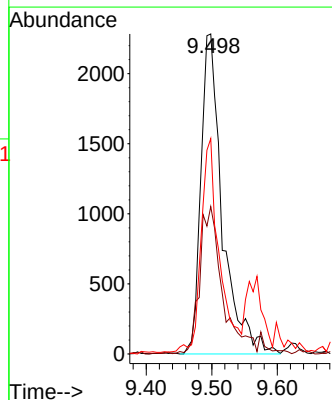
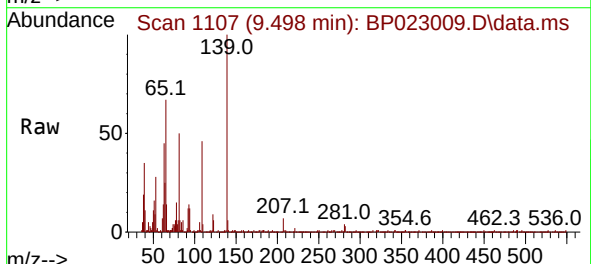
Manual Integrations
APPROVED

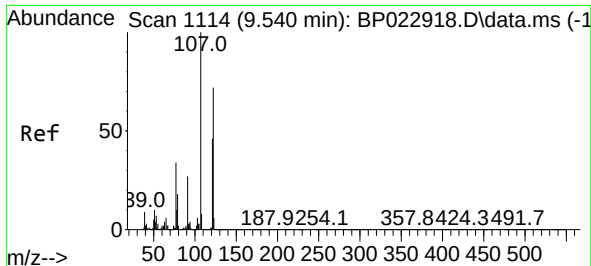
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#26
2-Nitrophenol
Concen: 3.403 ng
RT: 9.498 min Scan# 1107
Delta R.T. 0.018 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:139 Resp: 5217
Ion Ratio Lower Upper
139 100
109 46.1 37.8 56.8
65 67.3 48.6 73.0





#27

2,4-Dimethylphenol

Concen: 3.532 ng

RT: 9.569 min Scan# 1119

Delta R.T. 0.029 min

Lab File: BP023009.D

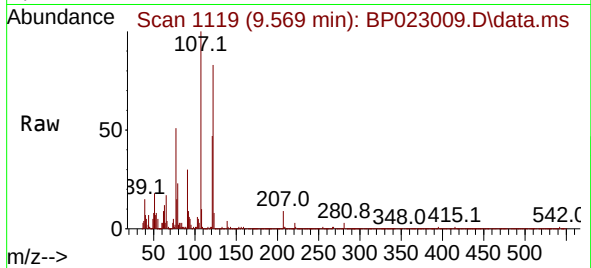
Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024



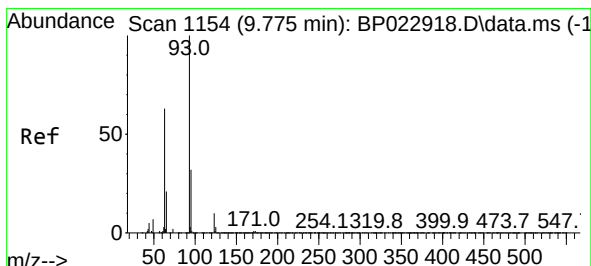
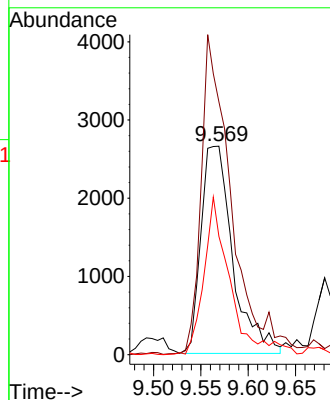
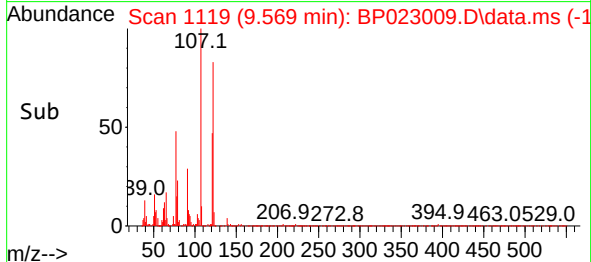
Tgt Ion	Ratio	Lower	Upper
122	100		
107	121.2	109.8	164.6
121	56.7	50.5	75.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#28

bis(2-Chloroethoxy)methane

Concen: 3.457 ng

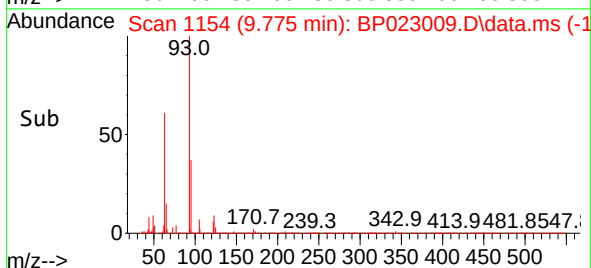
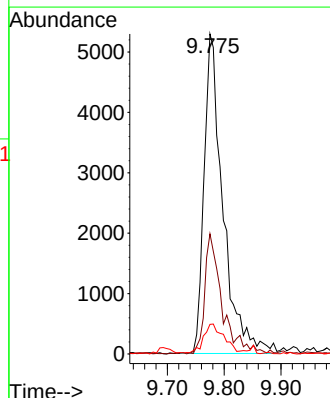
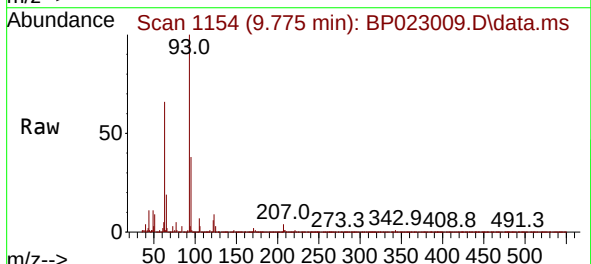
RT: 9.775 min Scan# 1154

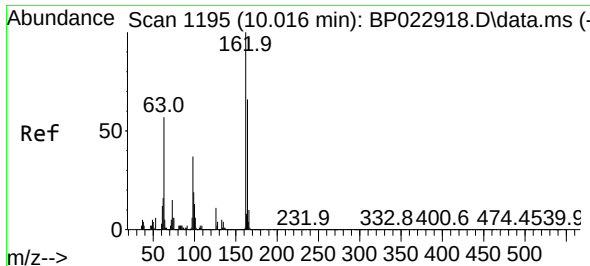
Delta R.T. -0.000 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	37.6	25.4	38.2
123	9.2	8.6	13.0





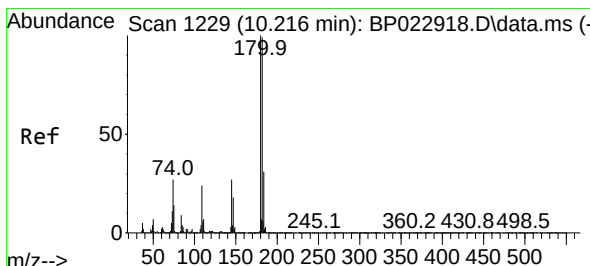
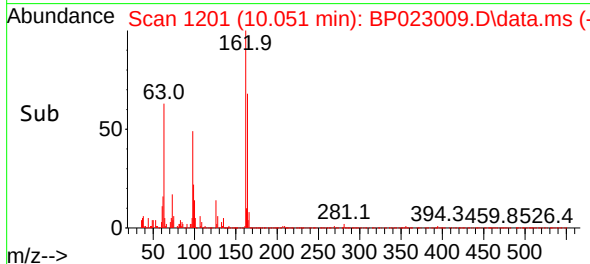
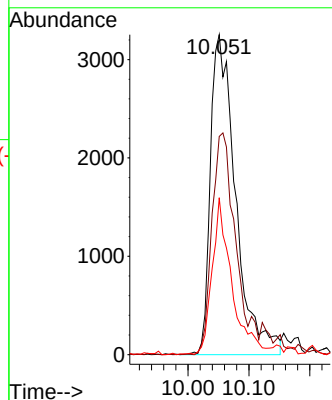
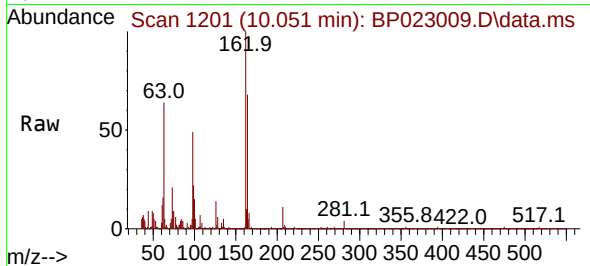
#29
2,4-Dichlorophenol
Concen: 3.078 ng
RT: 10.051 min Scan# 1195
Delta R.T. 0.035 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion	Ratio	Lower	Upper
162	100		
164	68.2	46.0	86.0
98	49.1	16.7	56.7

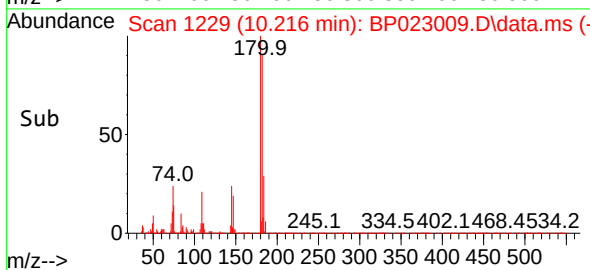
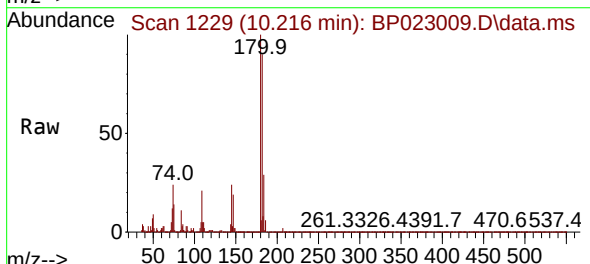
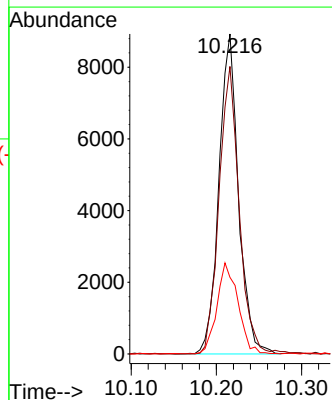
Manual Integrations
APPROVED

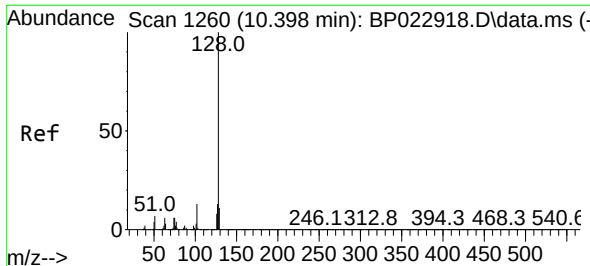
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#30
1,2,4-Trichlorobenzene
Concen: 3.682 ng
RT: 10.216 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	79.4	119.2
145	23.9	21.6	32.4





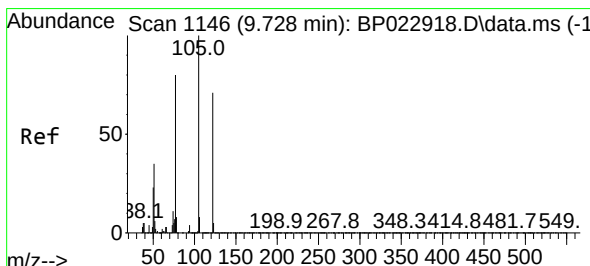
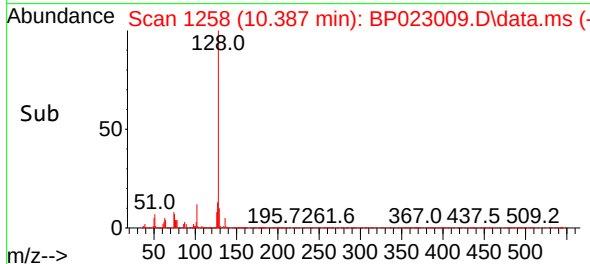
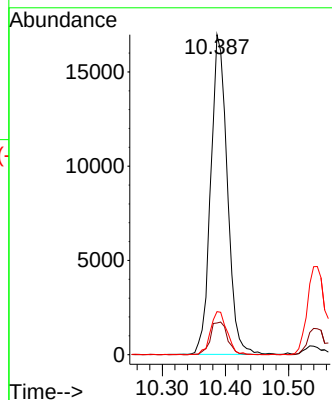
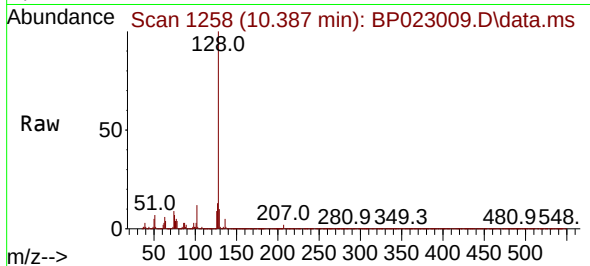
#31
Naphthalene
Concen: 3.560 ng
RT: 10.387 min Scan# 1140
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.6	12.8
127	13.5	10.6	16.0

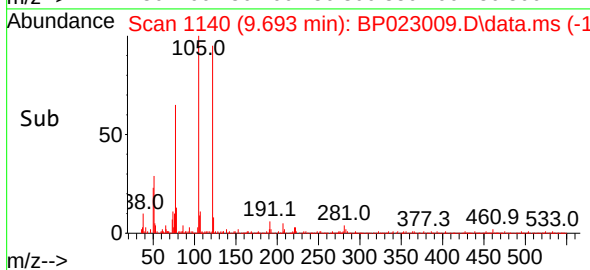
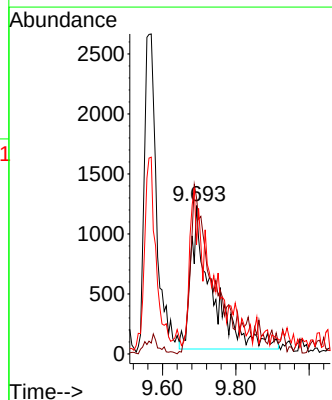
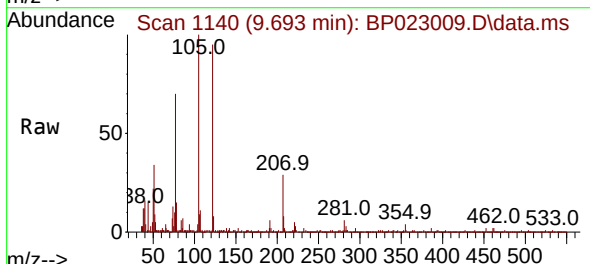
Manual Integrations
APPROVED

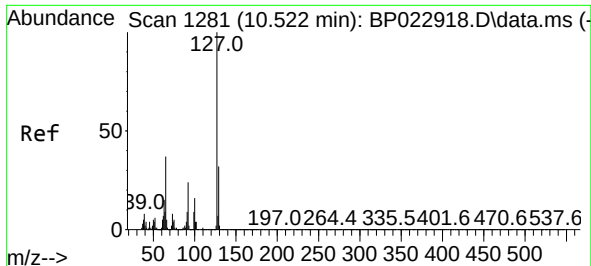
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#32
Benzoic acid
Concen: 2.309 ng m
RT: 9.693 min Scan# 1140
Delta R.T. -0.035 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

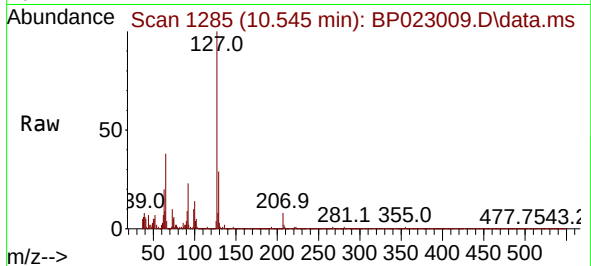
Tgt Ion	Ratio	Lower	Upper
122	100		
105	105.3	119.9	159.9#
77	73.5	92.2	132.2#





#33
4-Chloroaniline
Concen: 3.615 ng
RT: 10.545 min Scan# 1119
Delta R.T. 0.024 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

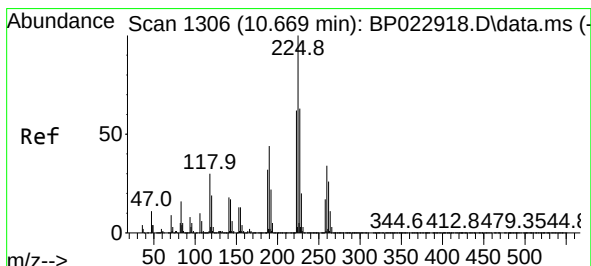
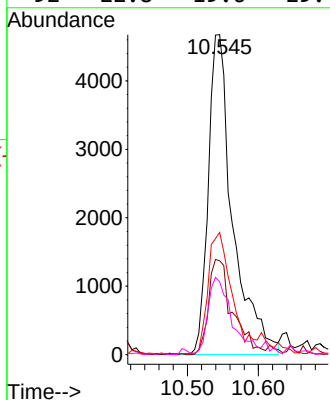
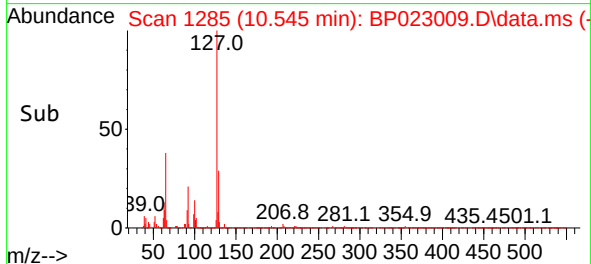
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	29.4	25.2	37.8
65	38.2	29.7	44.5
92	22.8	19.6	29.4

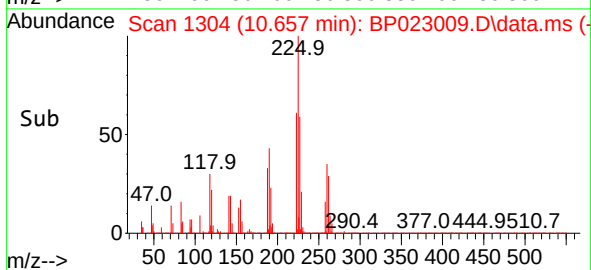
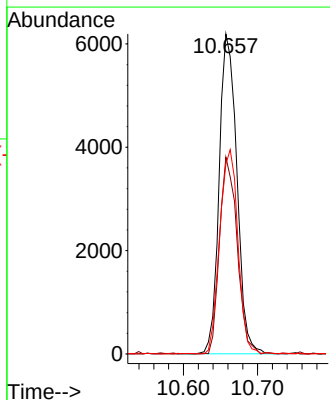
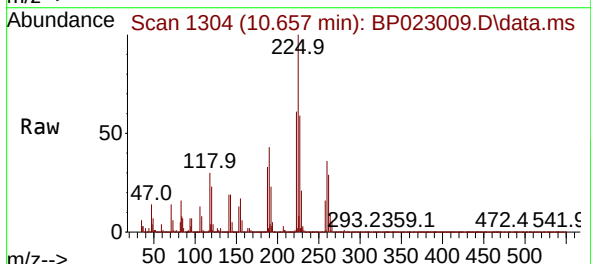
Manual Integrations
APPROVED

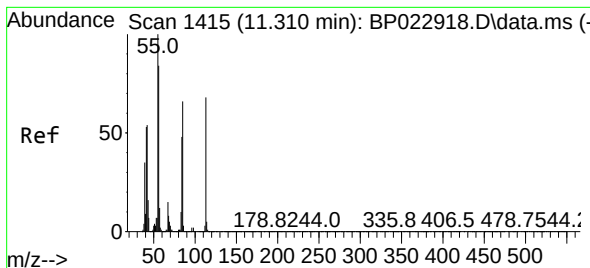
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#34
Hexachlorobutadiene
Concen: 3.606 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

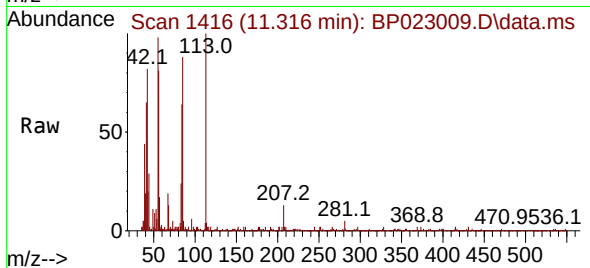
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.8	74.6
227	60.9	50.5	75.7





#35
Caprolactam
Concen: 3.293 ng m
RT: 11.316 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

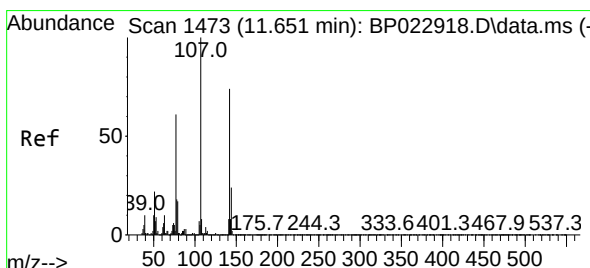
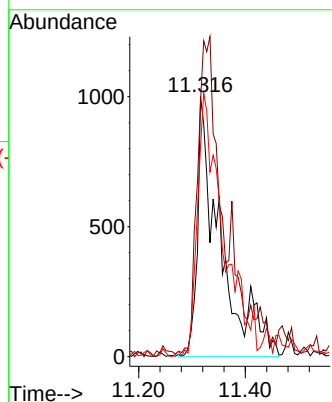
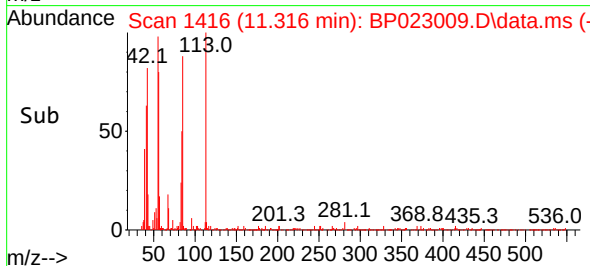
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:113 Resp: 2985
Ion Ratio Lower Upper
113 100
55 98.2 127.4 167.4
56 80.8 103.5 143.5

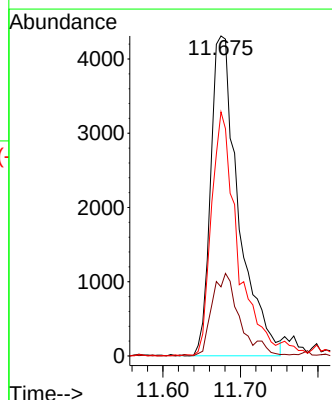
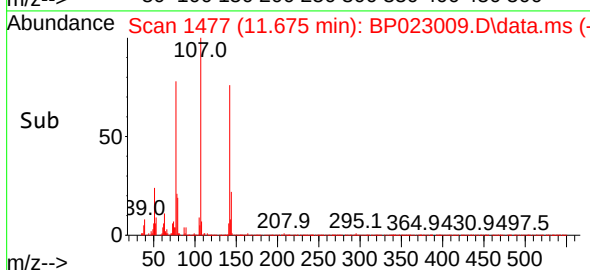
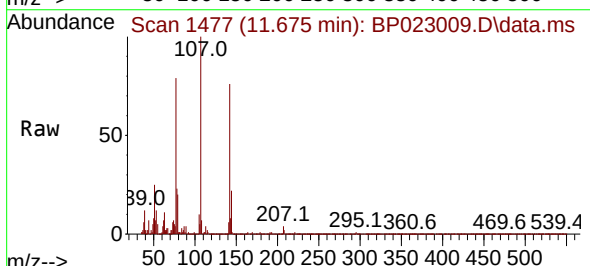
Manual Integrations
APPROVED

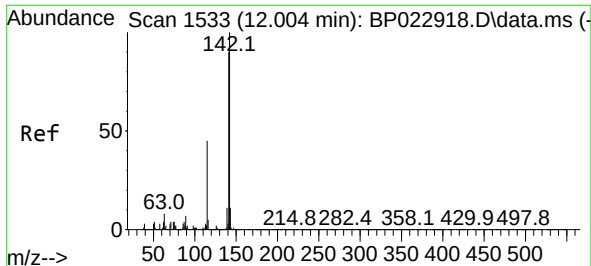
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#36
4-Chloro-3-methylphenol
Concen: 3.190 ng
RT: 11.675 min Scan# 1477
Delta R.T. 0.024 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:107 Resp: 10778
Ion Ratio Lower Upper
107 100
144 21.6 19.4 29.0
142 76.3 59.5 89.3





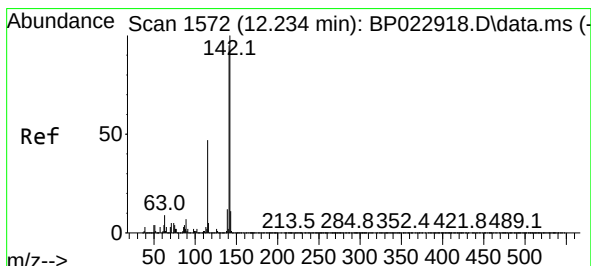
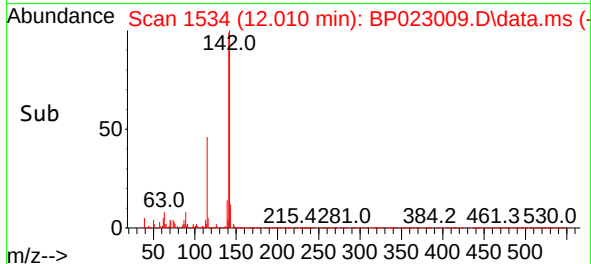
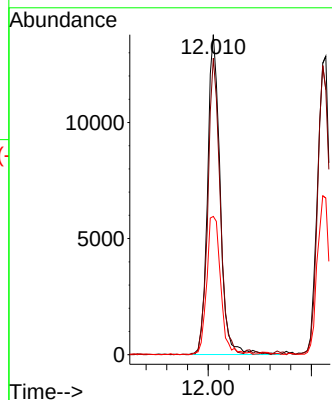
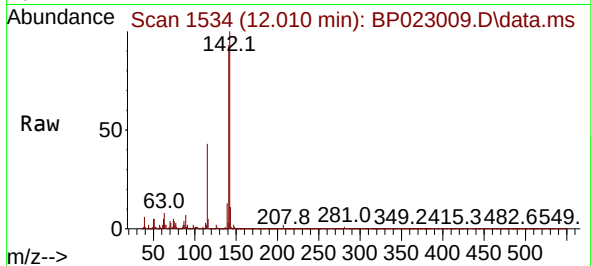
#37
2-Methylnaphthalene
Concen: 3.563 ng
RT: 12.010 min Scan# 1533
Delta R.T. 0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	72.2	108.4
115	43.2	35.9	53.9

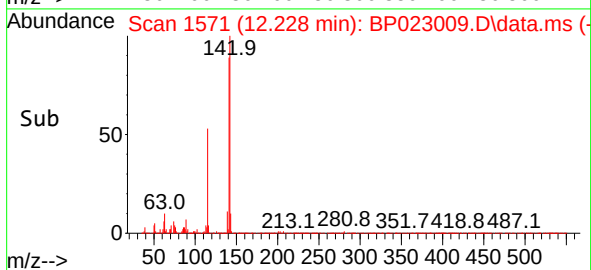
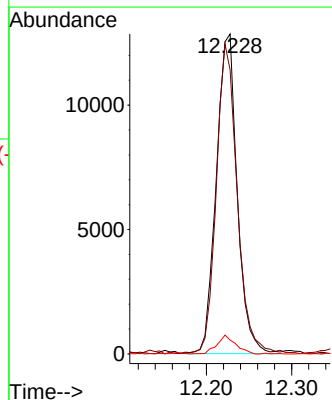
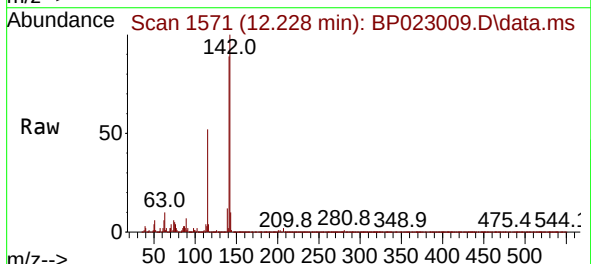
Manual Integrations
APPROVED

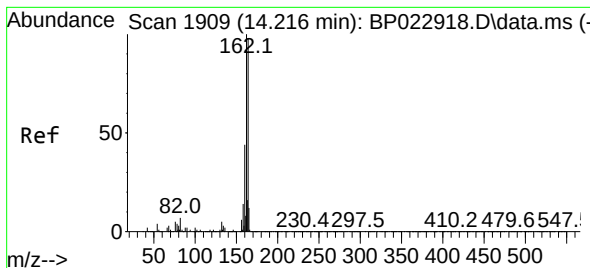
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#38
1-Methylnaphthalene
Concen: 3.396 ng
RT: 12.228 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	75.8	113.8
116	4.4	3.8	5.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.210 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

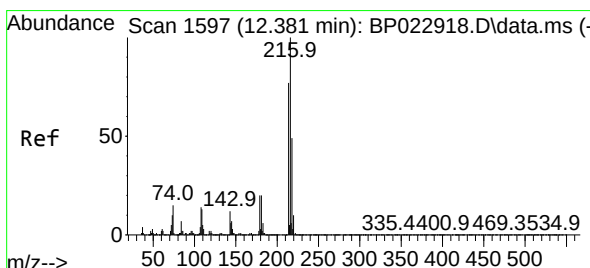
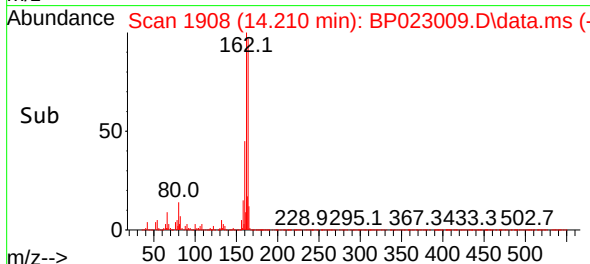
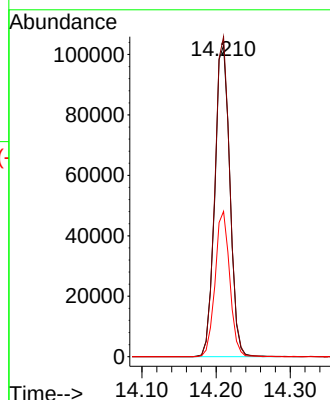
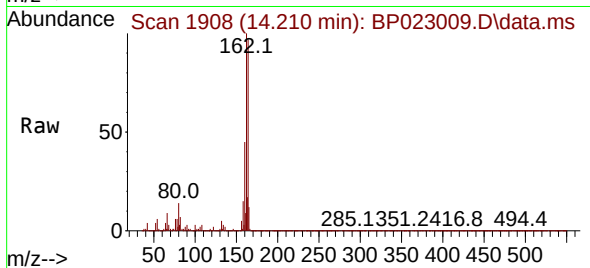
Tgt Ion:164	Resp: 14527
Ion Ratio	Lower Upper
164	100
162	102.8 81.8 122.8
160	46.7 35.7 53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.735 ng

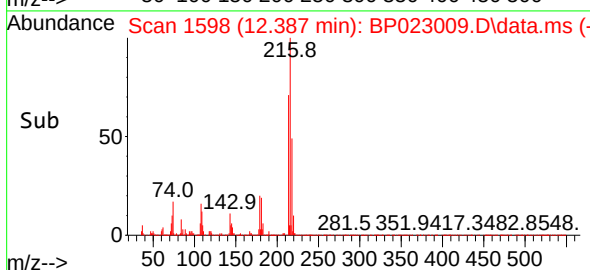
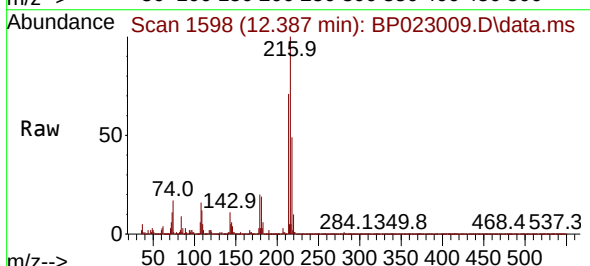
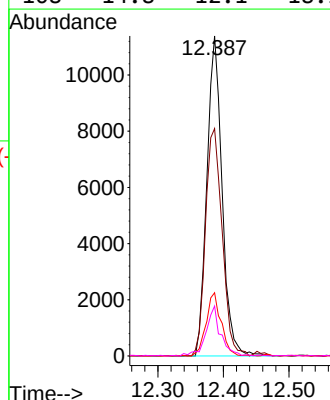
RT: 12.387 min Scan# 1598

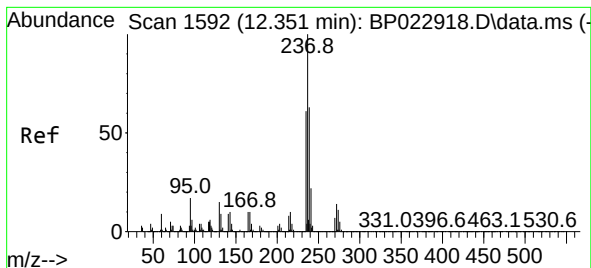
Delta R.T. 0.006 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

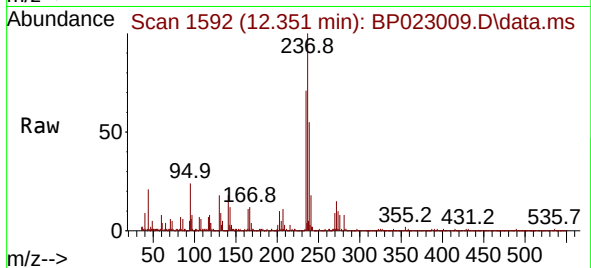
Tgt Ion:216	Resp: 18371
Ion Ratio	Lower Upper
216	100
214	77.8 62.5 93.7
179	19.5 16.5 24.7
108	14.8 12.1 18.1





#41
Hexachlorocyclopentadiene
Concen: 2.440 ng
RT: 12.351 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

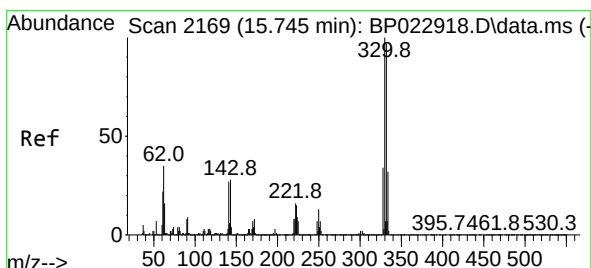
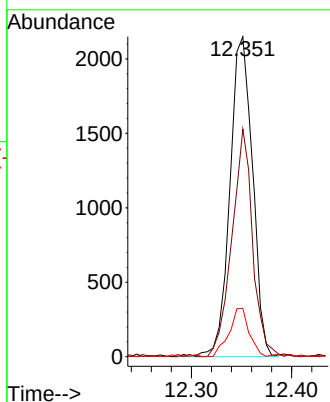
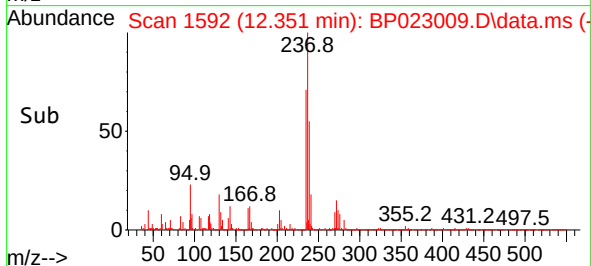
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 237 Resp: 3370
Ion Ratio Lower Upper
237 100
235 71.1 41.2 81.2
272 15.1 0.0 33.7

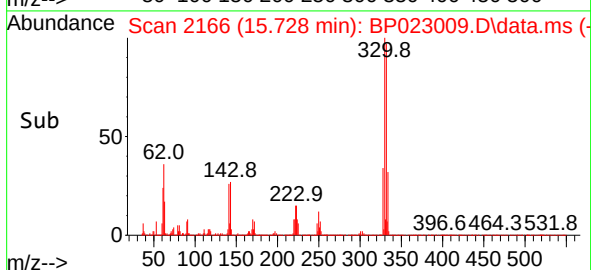
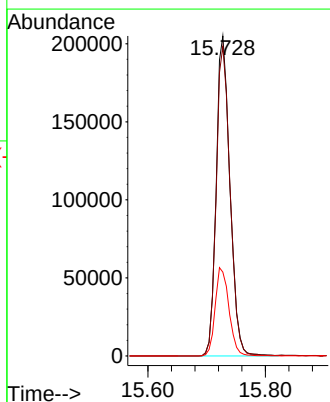
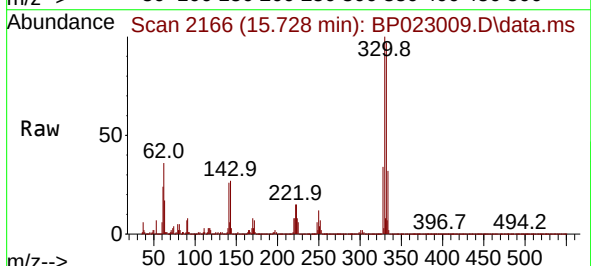
Manual Integrations
APPROVED

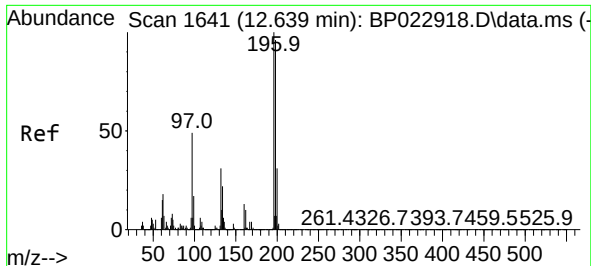
Reviewed By : Yogesh Patel 11/12/2024
Supervised By : mohammad ahmed 11/12/2024



#42
2,4,6-Tribromophenol
Concen: 118.136 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.018 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

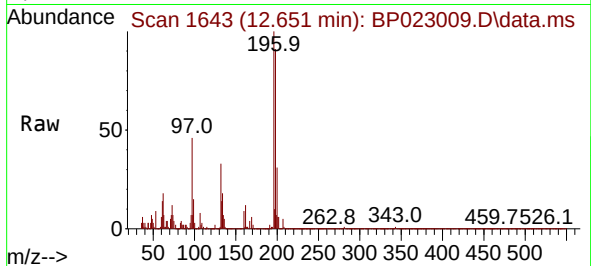
Tgt Ion: 330 Resp: 332652
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.6
141 27.8 21.6 32.4





#43
2,4,6-Trichlorophenol
Concen: 3.163 ng
RT: 12.651 min Scan# 1643
Delta R.T. 0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

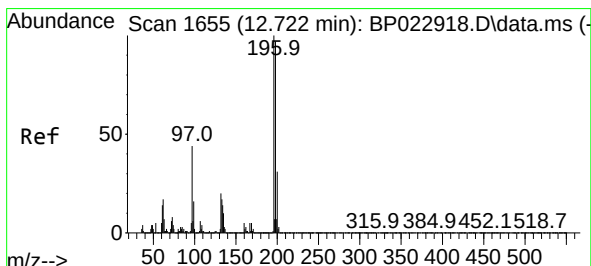
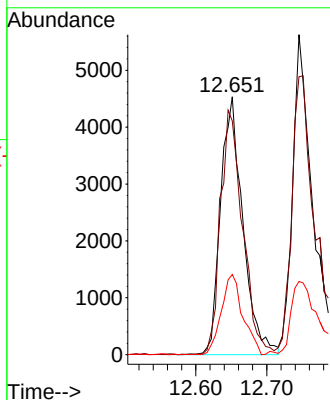
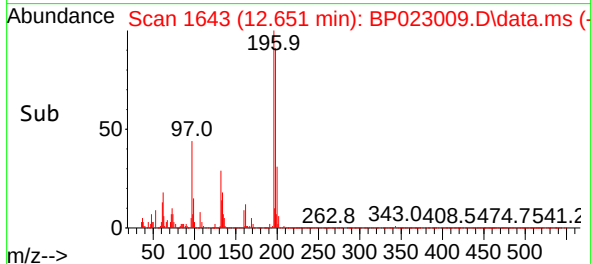
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



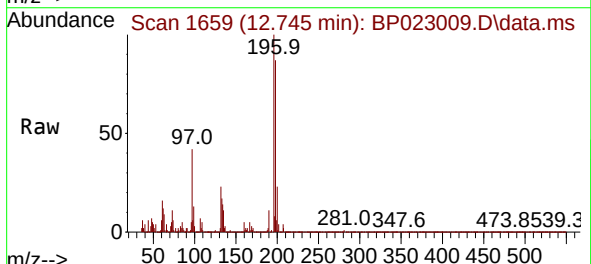
Tgt Ion:196 Resp: 9894
Ion Ratio Lower Upper
196 100
198 90.6 76.5 114.7
200 31.1 24.6 36.8

Manual Integrations
APPROVED

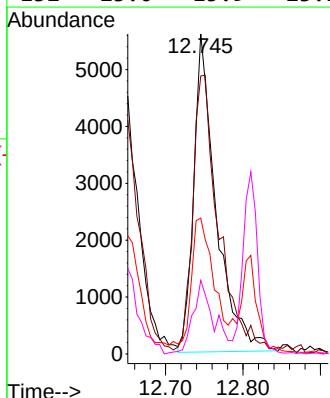
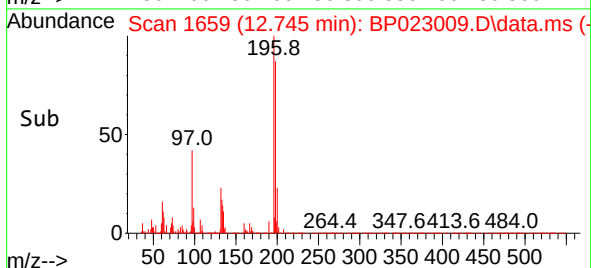
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

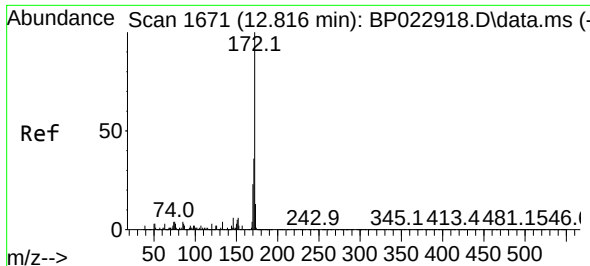


#44
2,4,5-Trichlorophenol
Concen: 3.165 ng
RT: 12.745 min Scan# 1659
Delta R.T. 0.024 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34



Tgt Ion:196 Resp: 11269
Ion Ratio Lower Upper
196 100
198 86.8 77.8 116.8
97 42.5 35.2 52.8
132 23.0 15.9 23.9





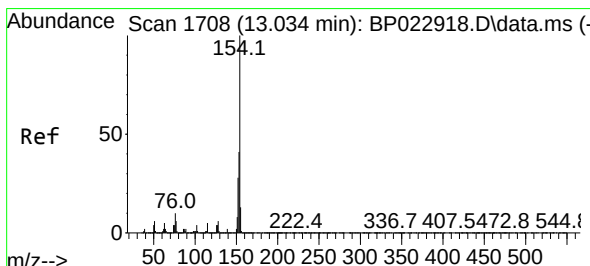
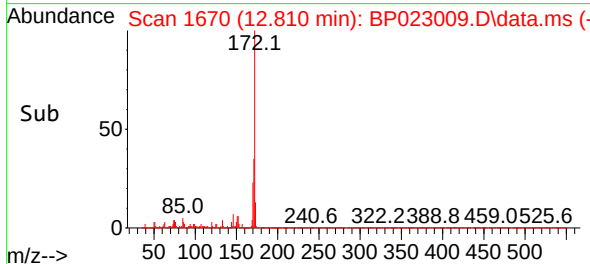
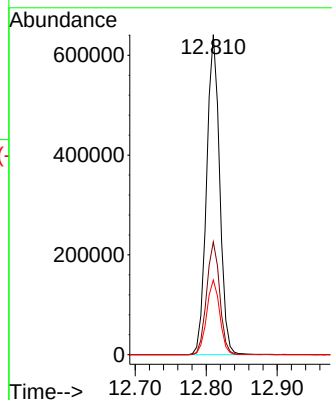
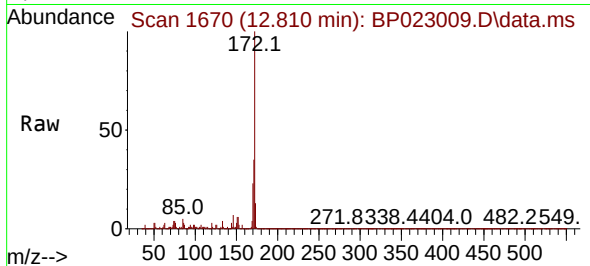
#45
2-Fluorobiphenyl
Concen: 80.858 ng
RT: 12.810 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:172 Resp: 822084
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.3 18.6 27.8

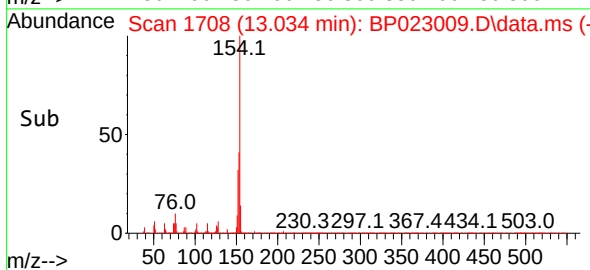
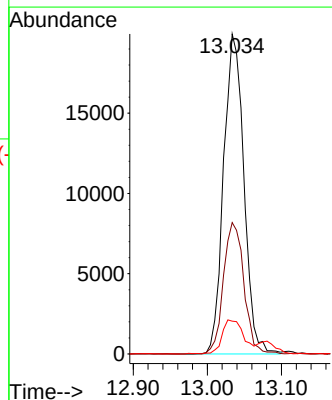
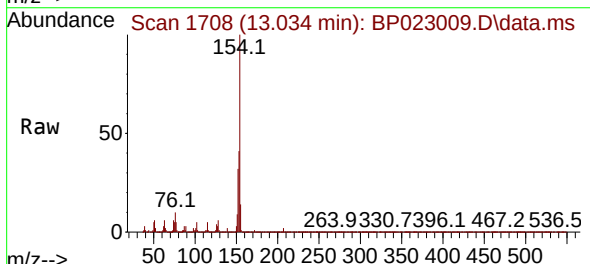
Manual Integrations
APPROVED

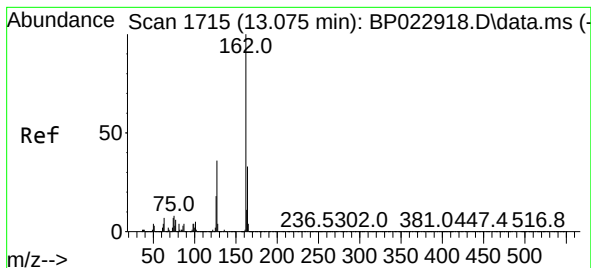
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#46
1,1'-Biphenyl
Concen: 3.919 ng
RT: 13.034 min Scan# 1708
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

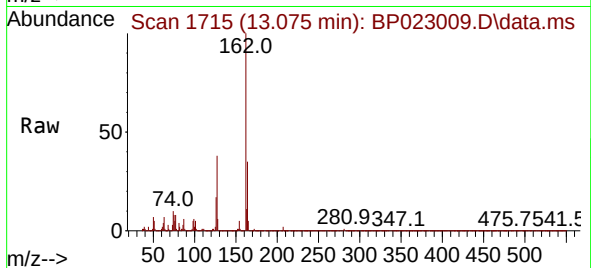
Tgt Ion:154 Resp: 37844
Ion Ratio Lower Upper
154 100
153 41.1 20.6 60.6
76 10.3 0.0 30.5





#47
2-Chloronaphthalene
Concen: 3.565 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

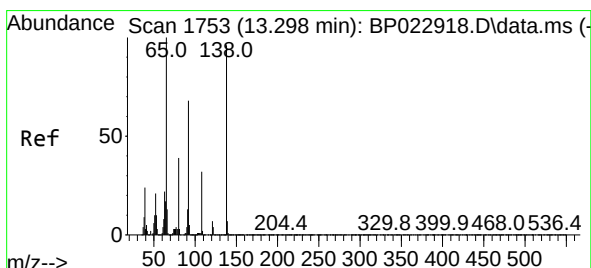
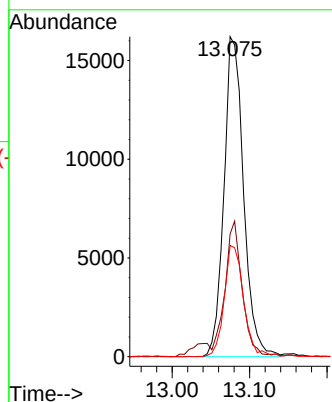
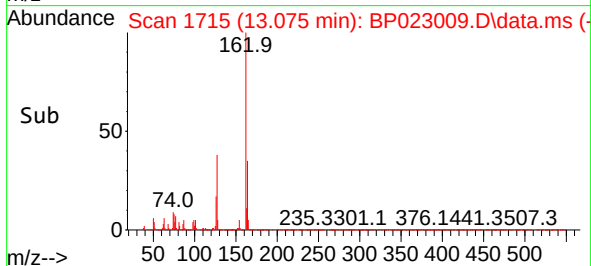
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024



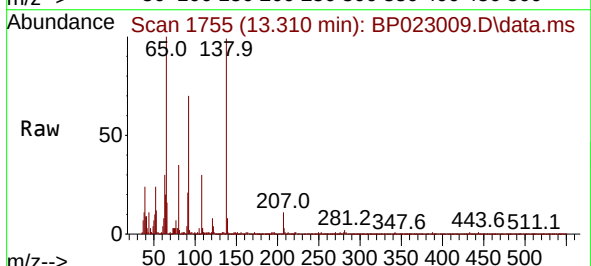
Tgt Ion: 162 Resp: 28569
Ion Ratio Lower Upper
162 100
127 38.3 28.6 43.0
164 34.8 26.4 39.6

Manual Integrations
APPROVED

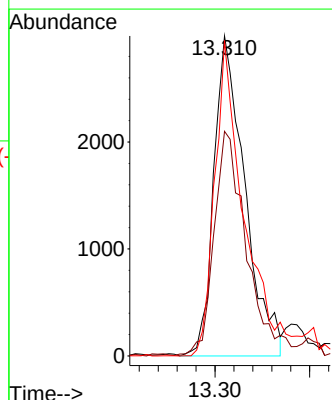
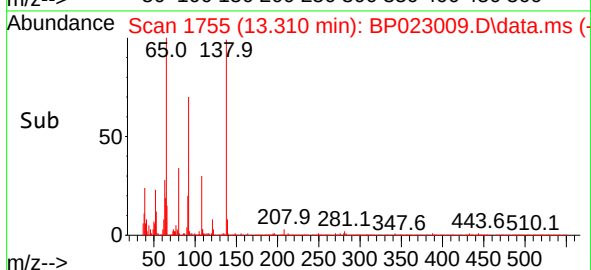
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

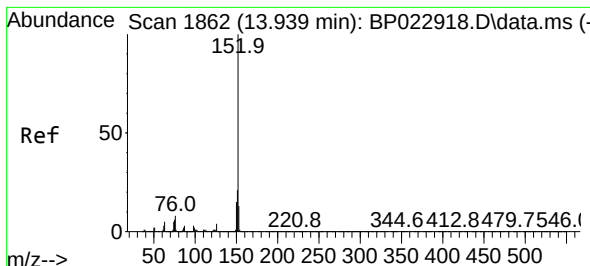


#48
2-Nitroaniline
Concen: 2.911 ng
RT: 13.310 min Scan# 1755
Delta R.T. 0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34



Tgt Ion: 65 Resp: 6797
Ion Ratio Lower Upper
65 100
92 70.2 54.4 81.6
138 98.6 76.5 114.7





#49

Acenaphthylene

Concen: 3.810 ng

RT: 13.922 min Scan# 1859

Delta R.T. -0.018 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

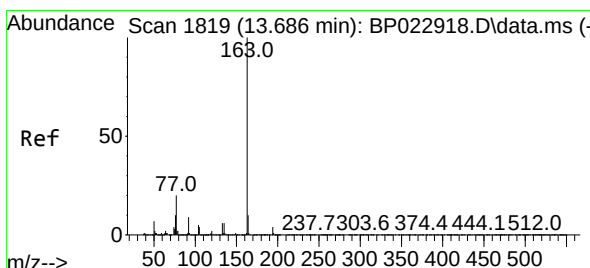
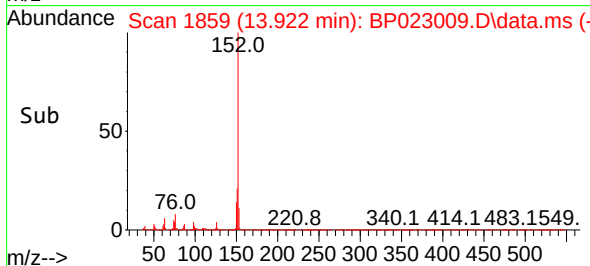
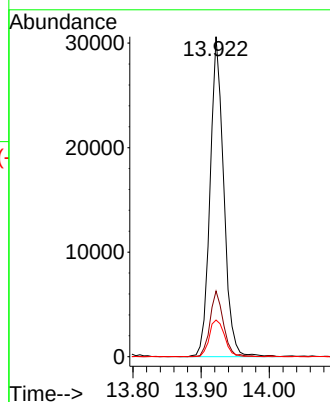
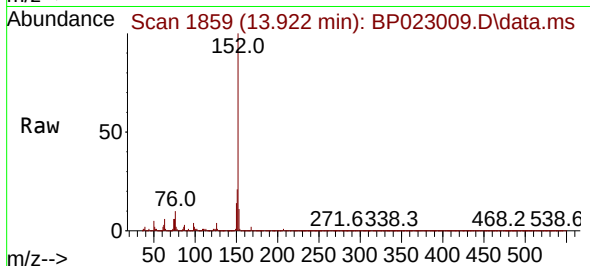
Tgt Ion:	152	Resp:	4264
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.8	25.2
153	11.5	10.8	16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#50

Dimethylphthalate

Concen: 3.661 ng

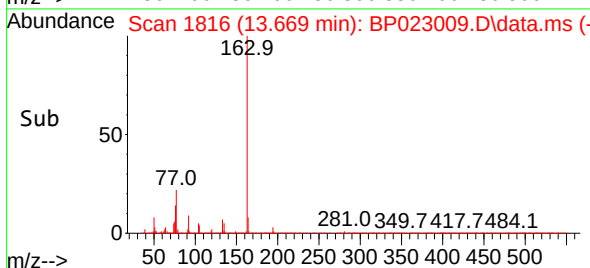
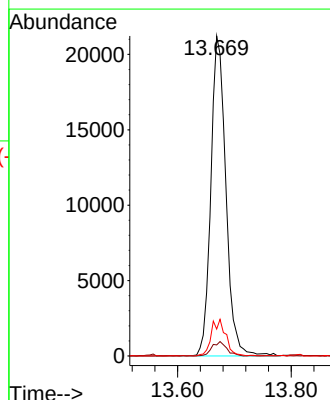
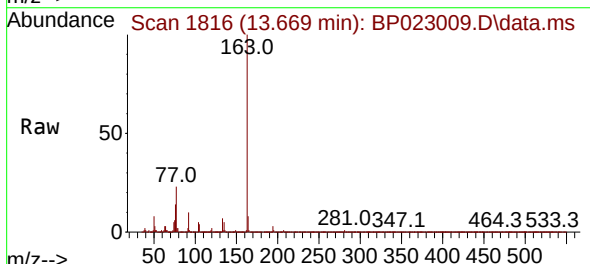
RT: 13.669 min Scan# 1816

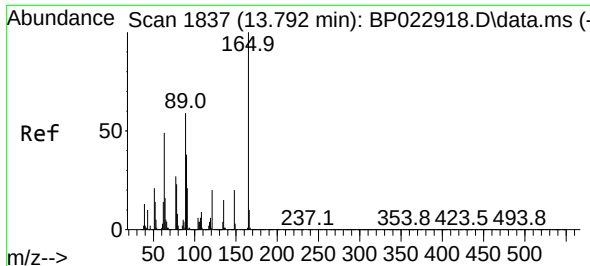
Delta R.T. -0.018 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

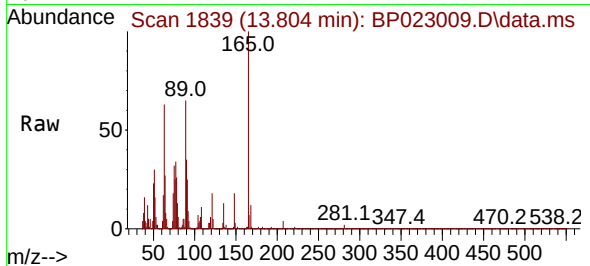
Tgt Ion:	163	Resp:	38940
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.5	5.3
164	8.4	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 3.159 ng
RT: 13.804 min Scan# 1837
Delta R.T. 0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

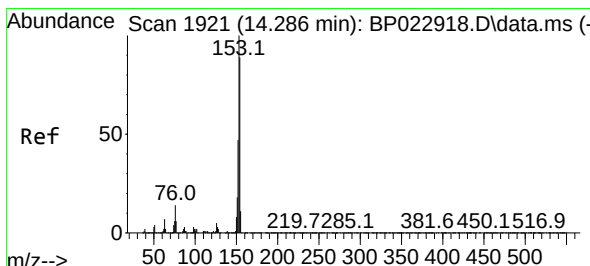
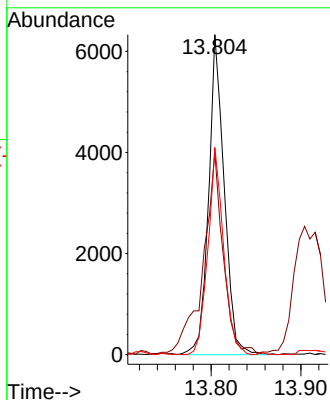
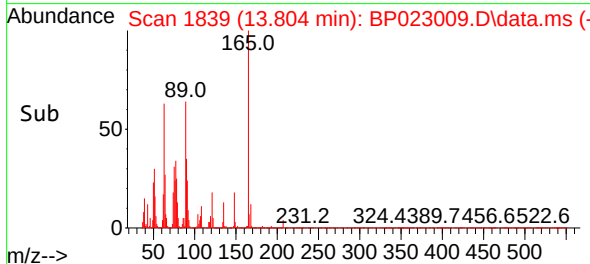
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 764
Ion Ratio Lower Upper
165 100
63 63.3 45.1 67.7
89 64.7 46.9 70.3

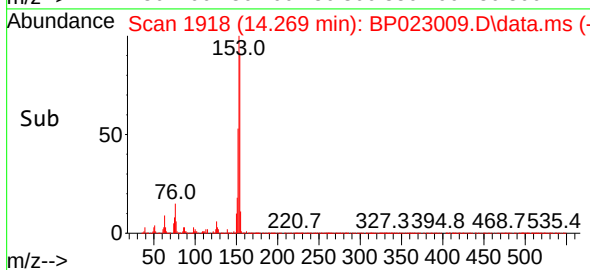
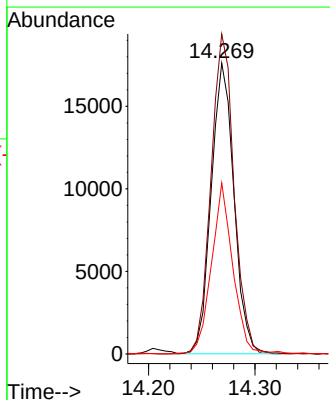
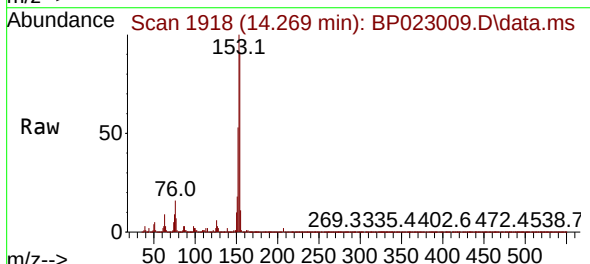
Manual Integrations
APPROVED

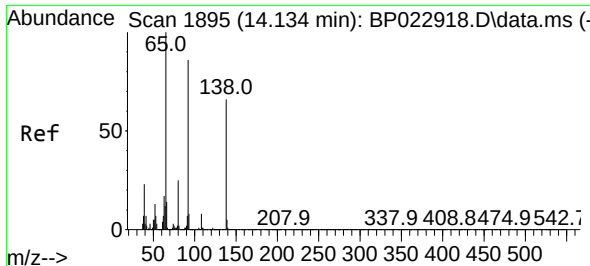
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#52
Acenaphthene
Concen: 3.628 ng
RT: 14.269 min Scan# 1918
Delta R.T. -0.017 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

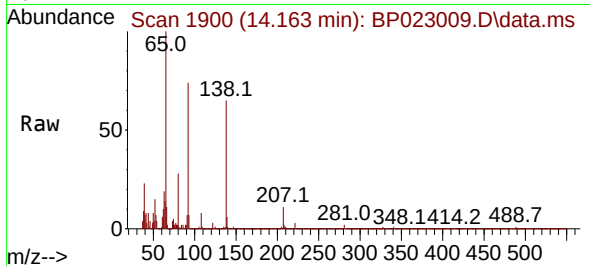
Tgt Ion:154 Resp: 26108
Ion Ratio Lower Upper
154 100
153 110.0 89.9 134.9
152 58.8 42.1 63.1





#53
3-Nitroaniline
Concen: 2.929 ng
RT: 14.163 min Scan# 1895
Delta R.T. 0.029 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

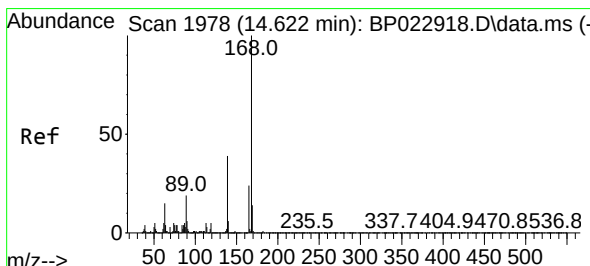
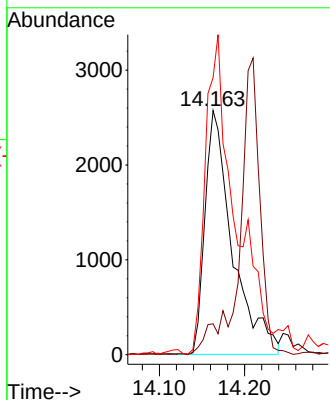
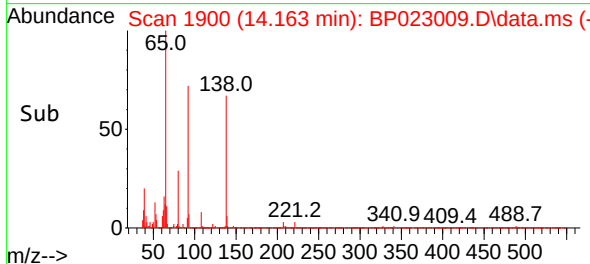
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:138 Resp: 5750
Ion Ratio Lower Upper
138 100
108 12.6 10.2 15.2
92 113.4 104.2 156.2

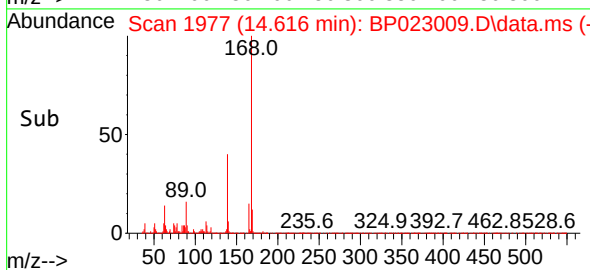
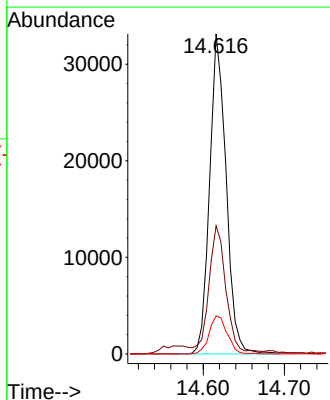
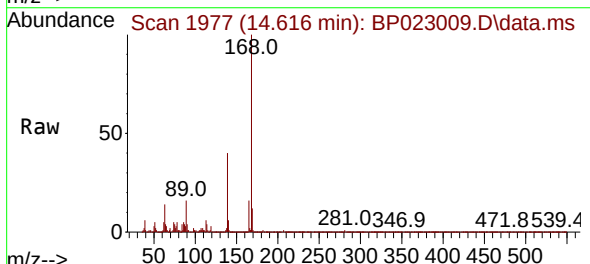
Manual Integrations
APPROVED

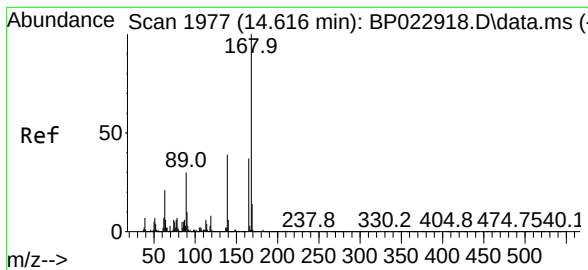
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#55
Dibenzofuran
Concen: 3.695 ng
RT: 14.616 min Scan# 1977
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:168 Resp: 46696
Ion Ratio Lower Upper
168 100
139 40.1 31.1 46.7
169 11.9 11.0 16.6





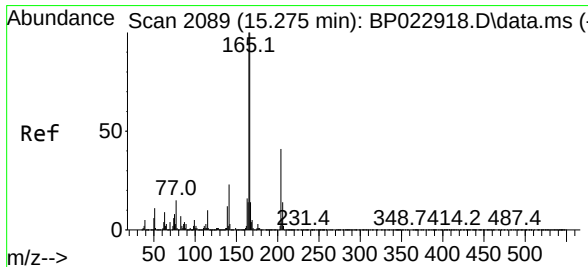
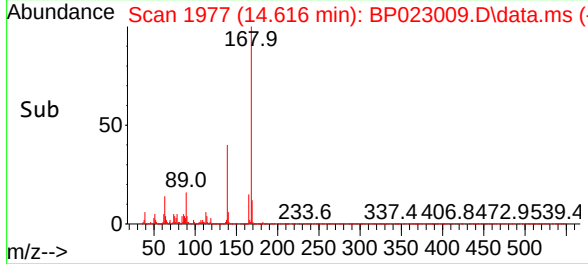
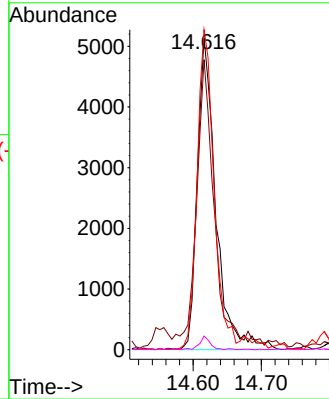
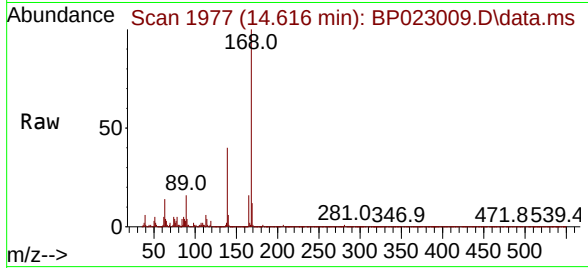
#57
2,4-Dinitrotoluene
Concen: 2.775 ng
RT: 14.616 min Scan# 1977
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:165 Resp: 970
Ion Ratio Lower Upper
165 100
63 93.0 46.5 69.7
89 102.6 64.0 96.0
182 4.4 2.2 3.4

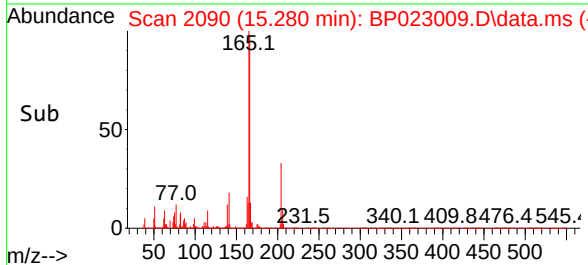
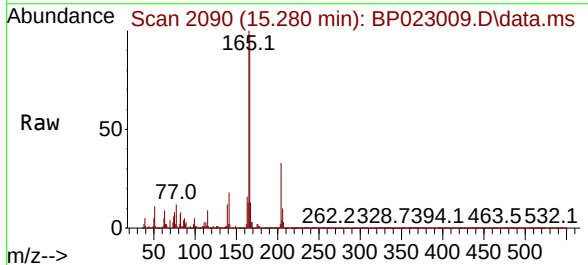
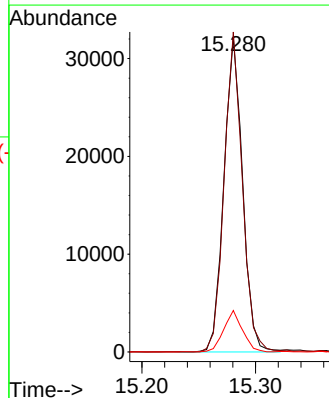
Manual Integrations
APPROVED

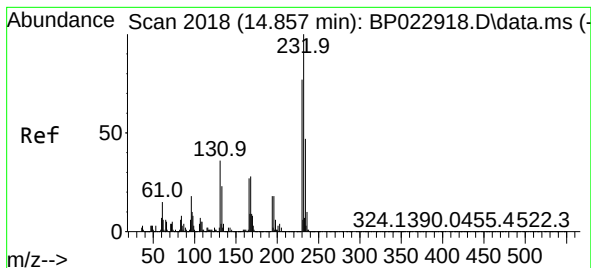
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#58
Fluorene
Concen: 3.499 ng
RT: 15.280 min Scan# 2090
Delta R.T. 0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

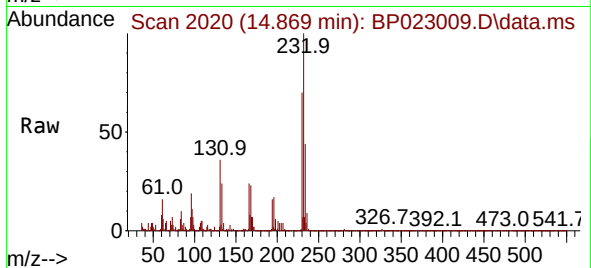
Tgt Ion:166 Resp: 36744
Ion Ratio Lower Upper
166 100
165 101.7 80.1 120.1
167 13.2 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.268 ng
RT: 14.869 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

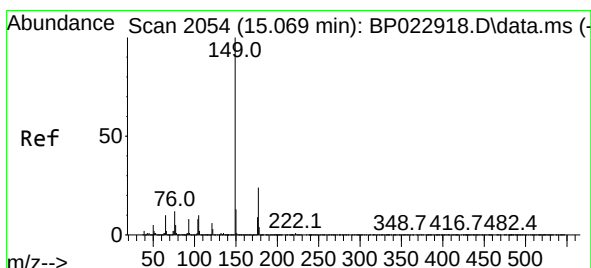
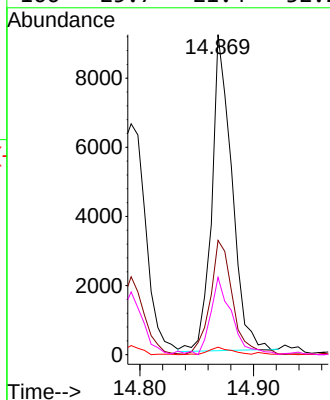
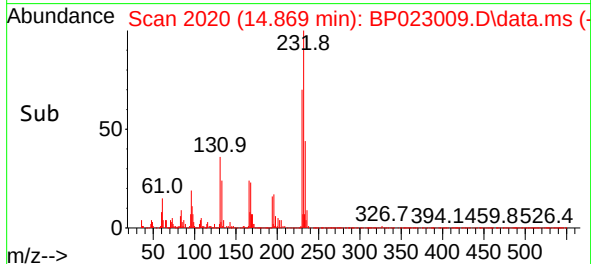
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



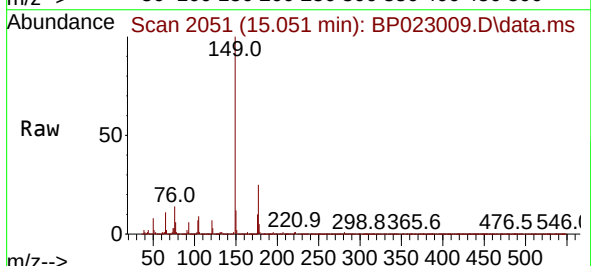
Tgt Ion:232 Resp: 1122
Ion Ratio Lower Upper
232 100
131 40.3 28.2 42.2
130 2.7 1.7 2.5
166 25.7 21.4 32.2

Manual Integrations
APPROVED

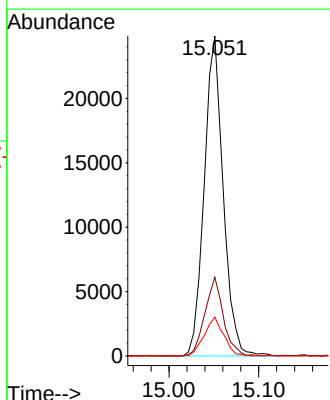
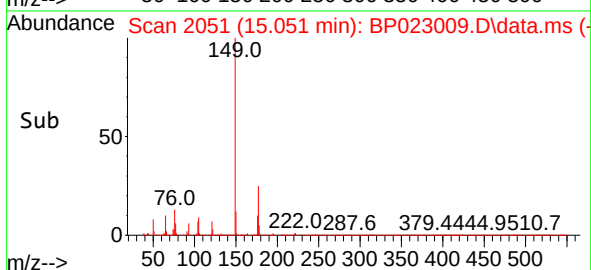
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

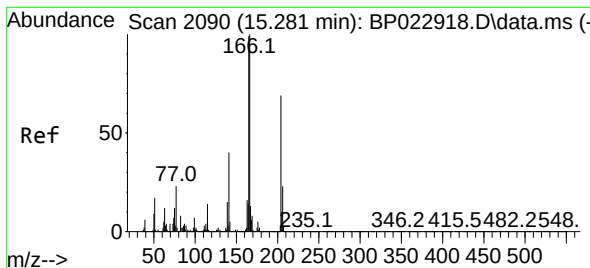


#60
Diethylphthalate
Concen: 3.447 ng
RT: 15.051 min Scan# 2051
Delta R.T. -0.018 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34



Tgt Ion:149 Resp: 36464
Ion Ratio Lower Upper
149 100
177 24.6 18.9 28.3
150 12.2 10.3 15.5





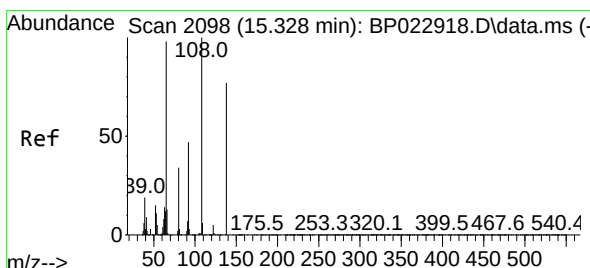
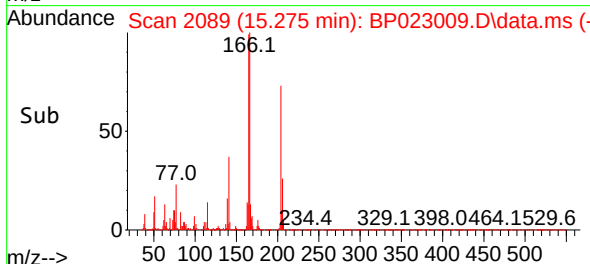
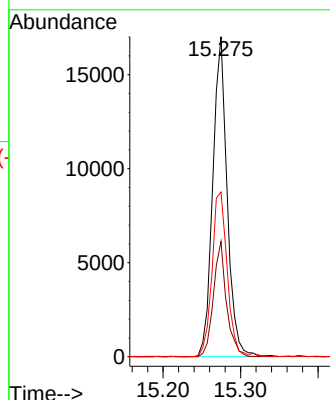
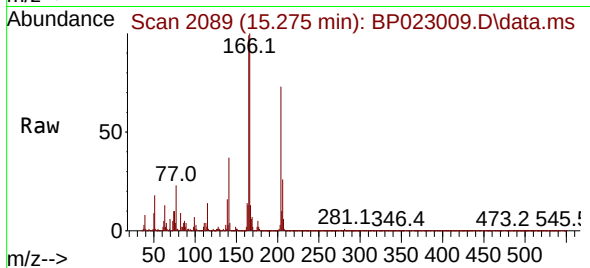
#61
4-Chlorophenyl-phenylether
Concen: 3.555 ng
RT: 15.275 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion: 204 Resp: 22004
Ion Ratio Lower Upper
204 100
206 36.0 26.8 40.2
141 51.4 46.2 69.4

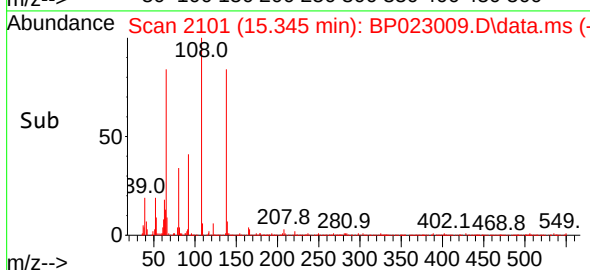
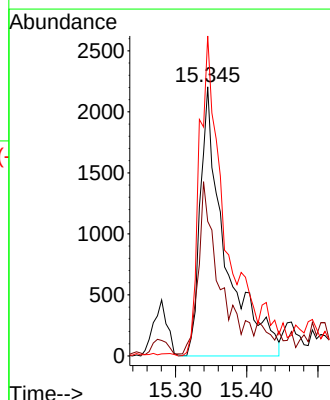
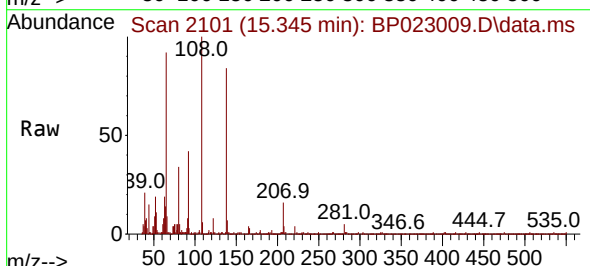
Manual Integrations
APPROVED

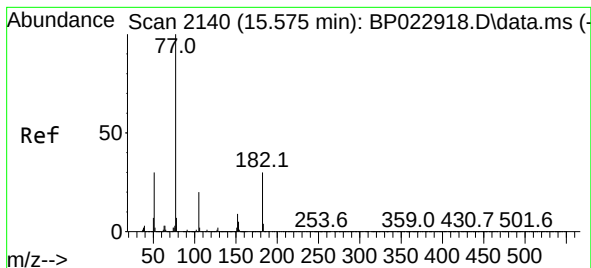
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#62
4-Nitroaniline
Concen: 2.660 ng m
RT: 15.345 min Scan# 2101
Delta R.T. 0.018 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion: 138 Resp: 5364
Ion Ratio Lower Upper
138 100
92 50.0 41.9 81.9
108 118.9 109.3 149.3





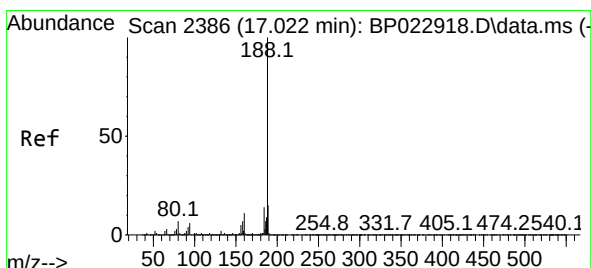
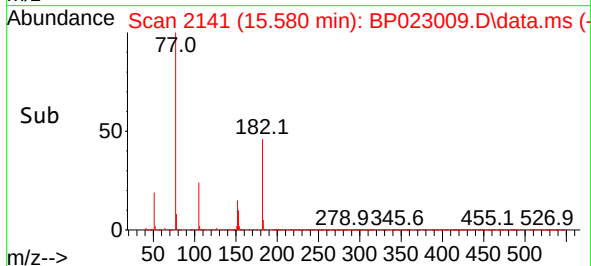
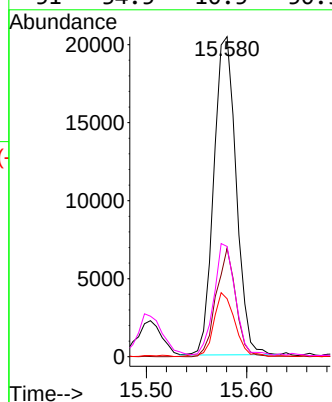
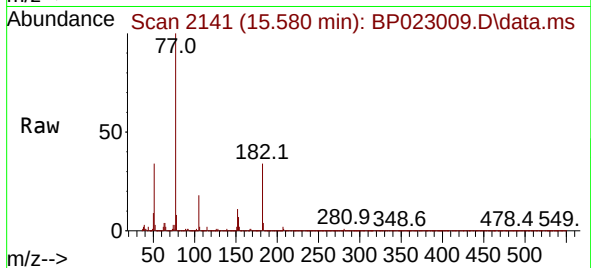
#63
Azobenzene
Concen: 3.476 ng
RT: 15.580 min Scan# 2140
Delta R.T. 0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion	Ratio	Lower	Upper
77	100		
182	33.8	9.9	49.9
105	18.1	0.0	39.9
51	34.5	10.5	50.5

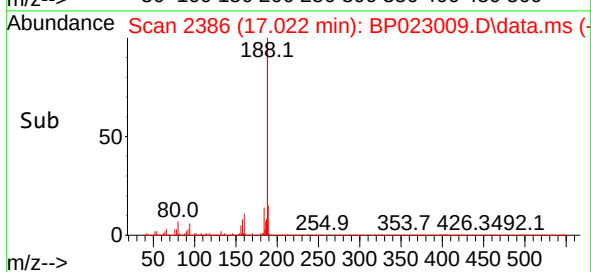
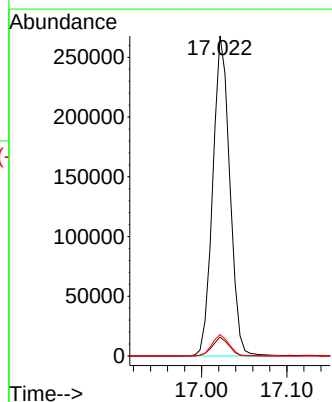
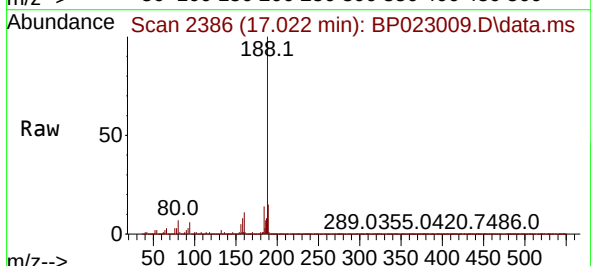
Manual Integrations
APPROVED

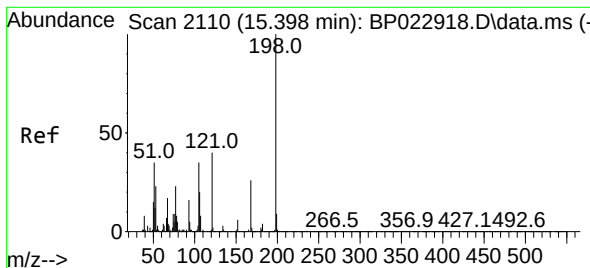
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.022 min Scan# 2386
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.8	7.2
80	6.7	5.9	8.9





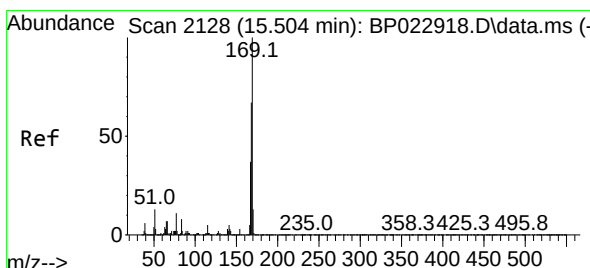
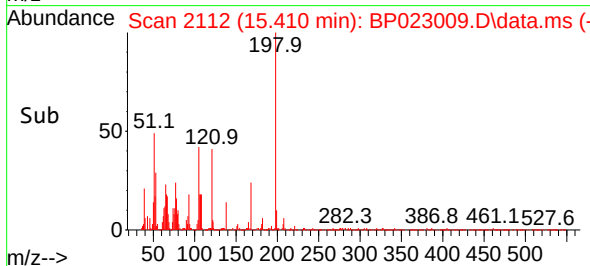
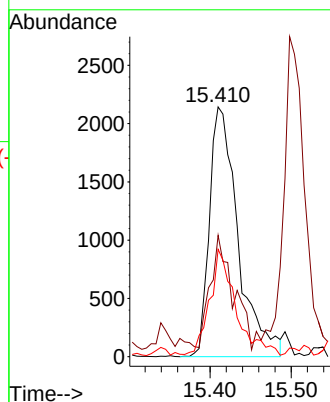
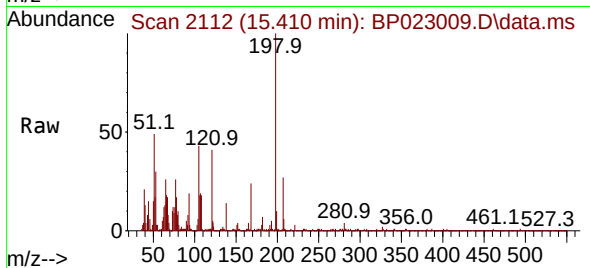
#65
4,6-Dinitro-2-methylphenol
Concen: 2.318 ng
RT: 15.410 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:198 Resp: 5240
Ion Ratio Lower Upper
198 100
51 48.6 17.4 57.4
105 43.0 15.4 55.4

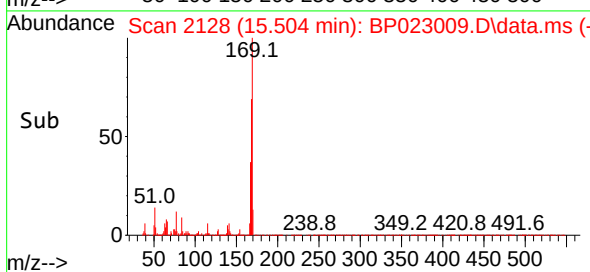
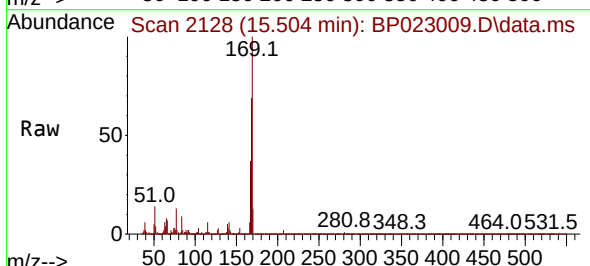
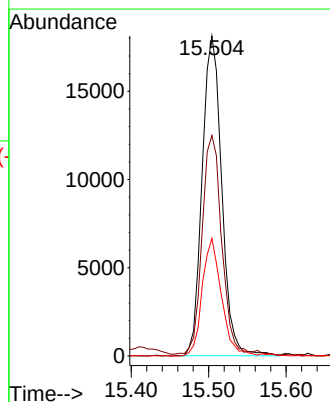
Manual Integrations
APPROVED

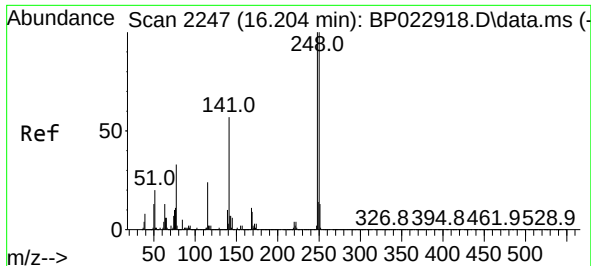
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#66
n-Nitrosodiphenylamine
Concen: 3.468 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:169 Resp: 31901
Ion Ratio Lower Upper
169 100
168 68.9 53.9 80.9
167 36.7 29.4 44.0





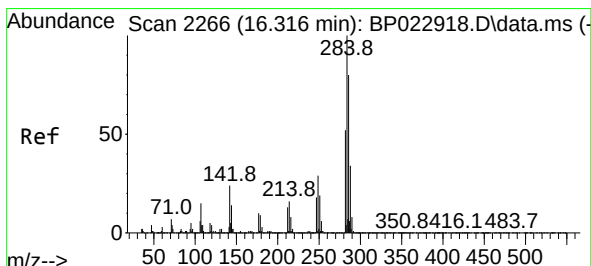
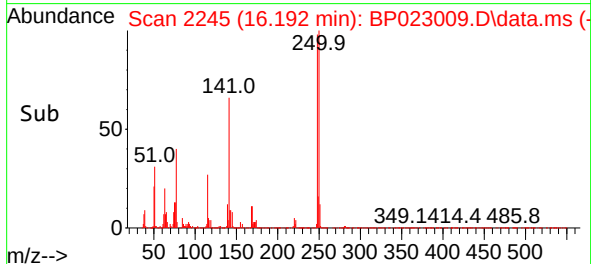
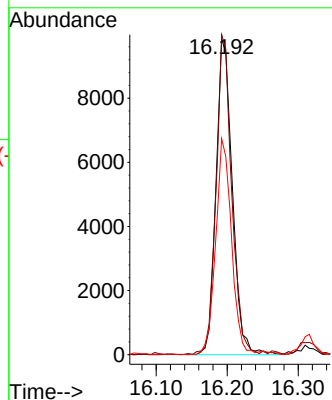
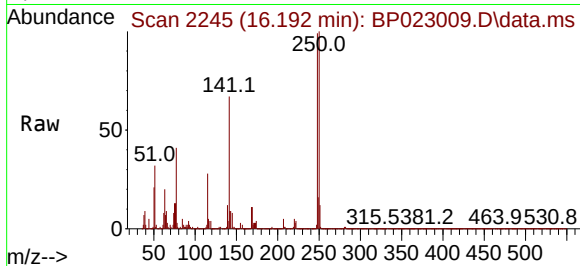
#67
4-Bromophenyl-phenylether
Concen: 3.518 ng
RT: 16.192 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:248 Resp: 15700
Ion Ratio Lower Upper
248 100
250 101.4 79.8 119.6
141 68.4 45.2 67.8

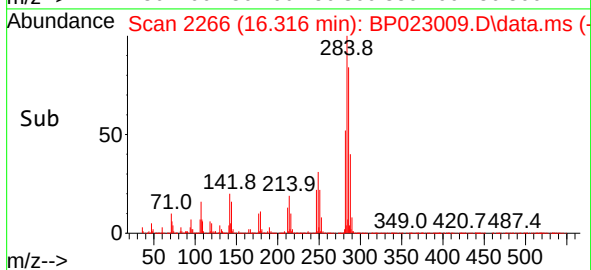
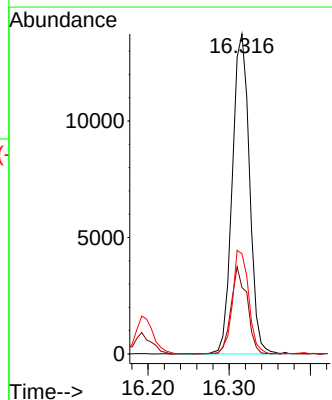
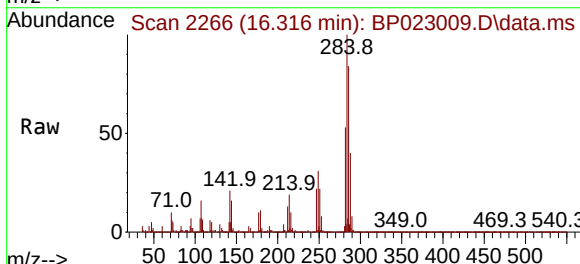
Manual Integrations
APPROVED

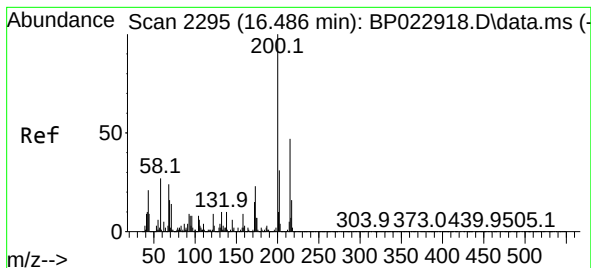
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#68
Hexachlorobenzene
Concen: 3.519 ng
RT: 16.316 min Scan# 2266
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:284 Resp: 20111
Ion Ratio Lower Upper
284 100
142 20.7 19.0 28.4
249 34.1 23.0 34.6





#69

Atrazine

Concen: 4.296 ng

RT: 16.480 min Scan# 2131

Delta R.T. -0.006 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

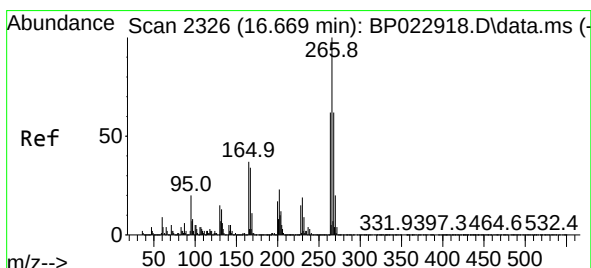
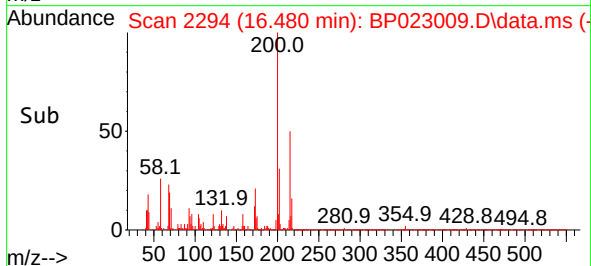
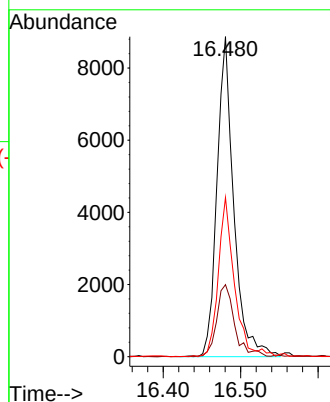
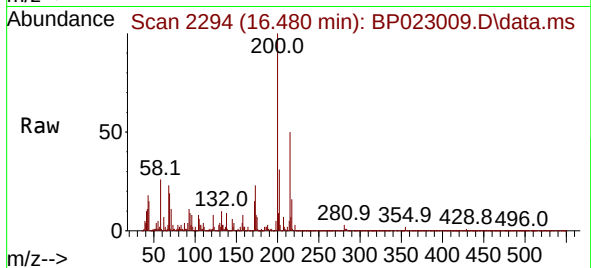
Tgt Ion:	200	Resp:	13319
Ion Ratio	Lower	Upper	
200	100		
173	22.5	2.7	42.7
215	49.8	27.1	67.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#70

Pentachlorophenol

Concen: 2.615 ng

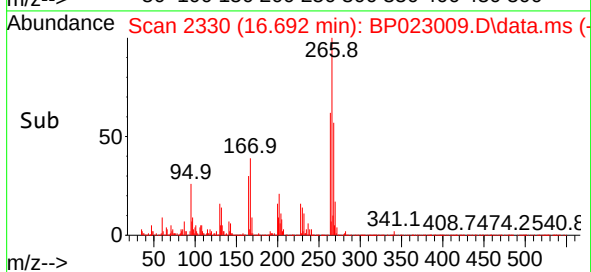
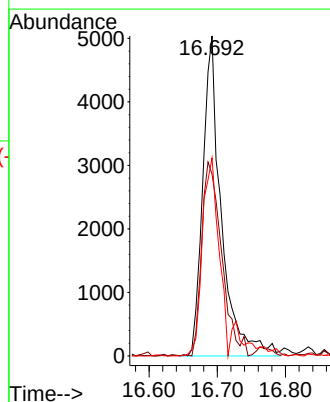
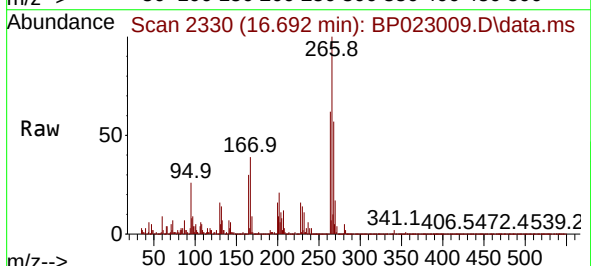
RT: 16.692 min Scan# 2330

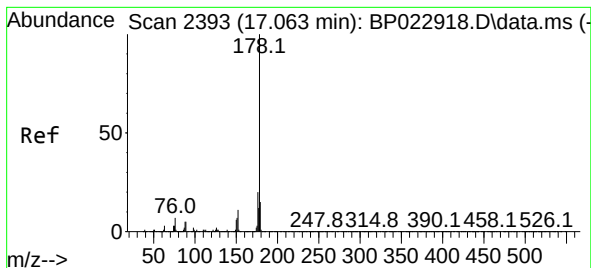
Delta R.T. 0.024 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Tgt Ion:	266	Resp:	9545
Ion Ratio	Lower	Upper	
266	100		
268	56.8	49.9	74.9
264	61.9	49.7	74.5





#71

Phenanthrene

Concen: 3.784 ng

RT: 17.063 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

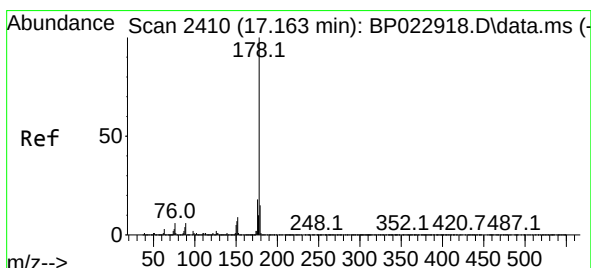
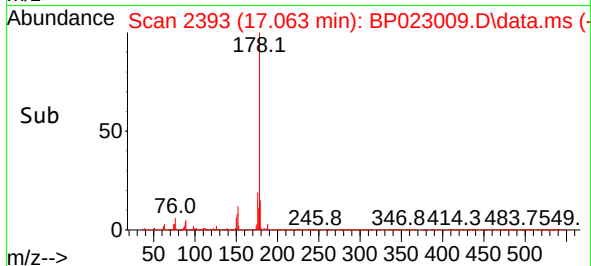
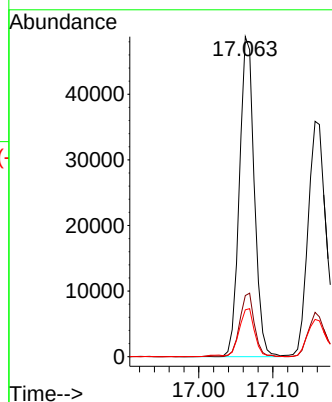
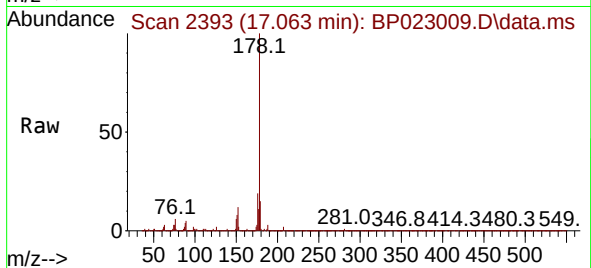
ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:178	Resp:	6813
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.6 23.4
179	14.7	12.0 18.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#72

Anthracene

Concen: 3.668 ng

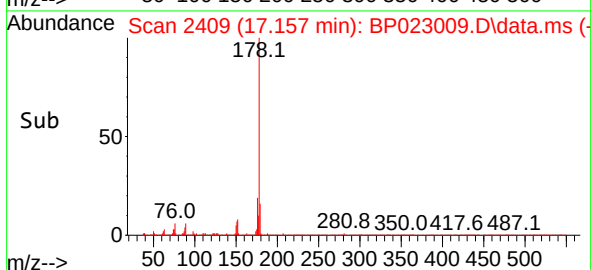
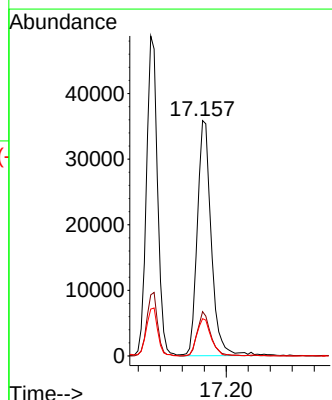
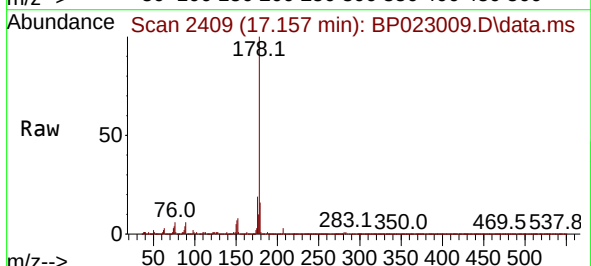
RT: 17.157 min Scan# 2409

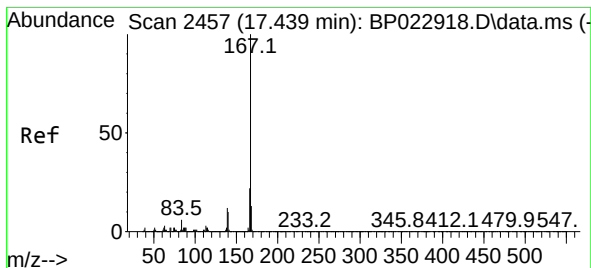
Delta R.T. -0.006 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Tgt Ion:178	Resp:	63373
Ion Ratio	Lower	Upper
178	100	
176	18.8	14.6 22.0
179	15.9	12.3 18.5





#73

Carbazole

Concen: 3.311 ng

RT: 17.457 min Scan# 2457

Delta R.T. 0.018 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

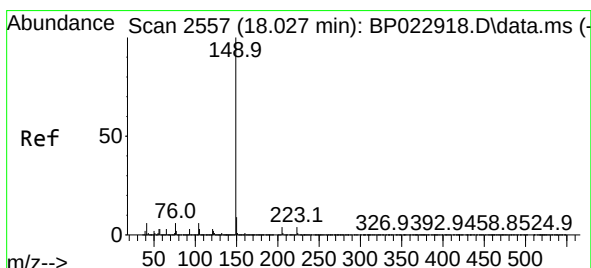
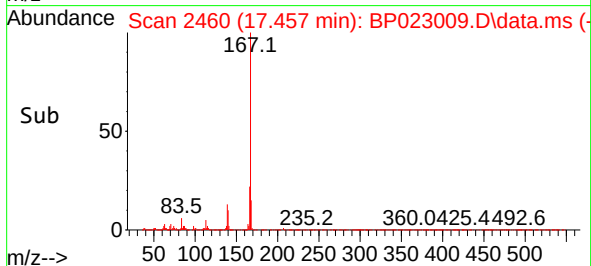
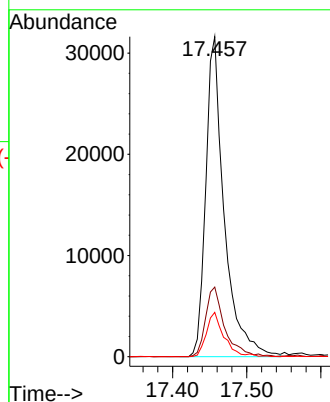
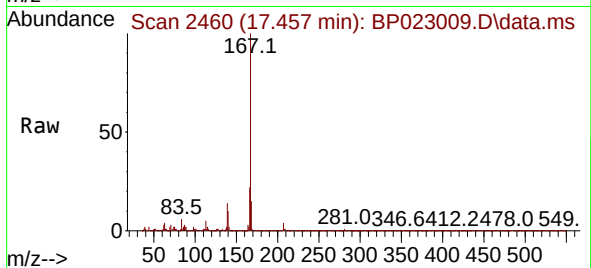
Tgt Ion:	167	Resp:	5464
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.4	26.2
139	13.9	10.0	15.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#74

Di-n-butylphthalate

Concen: 3.076 ng

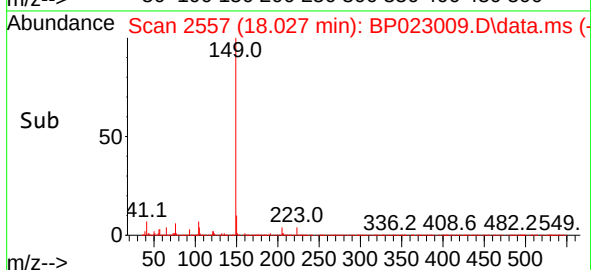
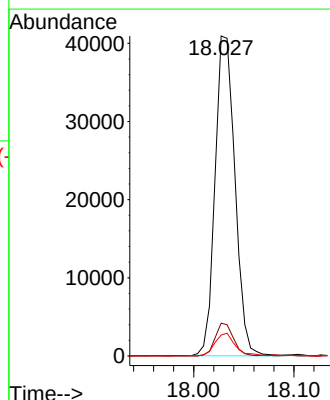
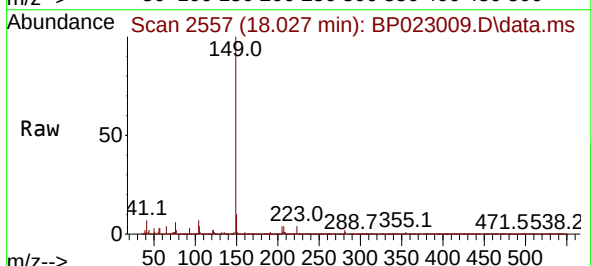
RT: 18.027 min Scan# 2557

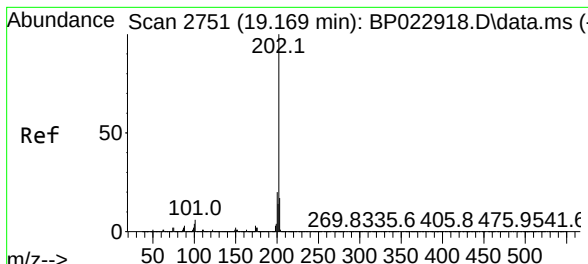
Delta R.T. -0.000 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Tgt Ion:	149	Resp:	56567
Ion Ratio	Lower	Upper	
149	100		
150	10.2	7.2	10.8
104	6.6	4.8	7.2



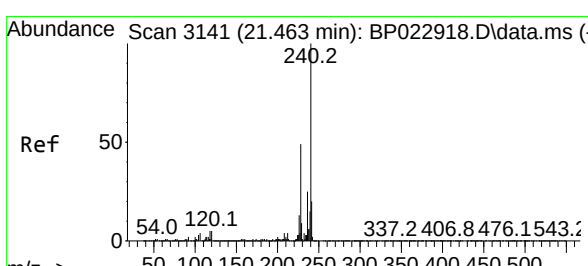
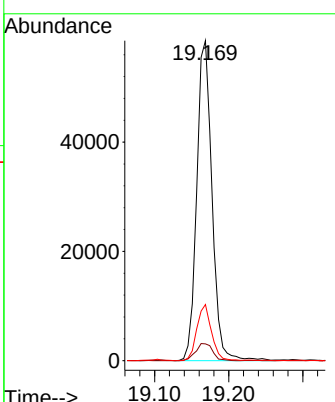
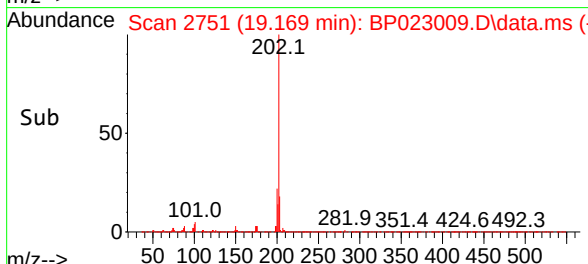
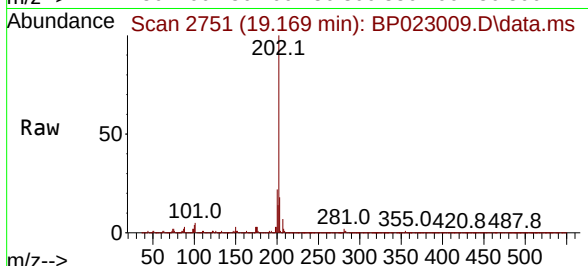


#75
Fluoranthene
Concen: 3.348 ng
RT: 19.169 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

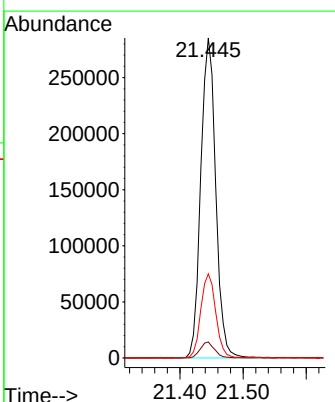
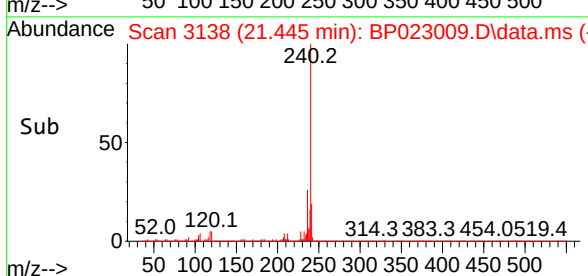
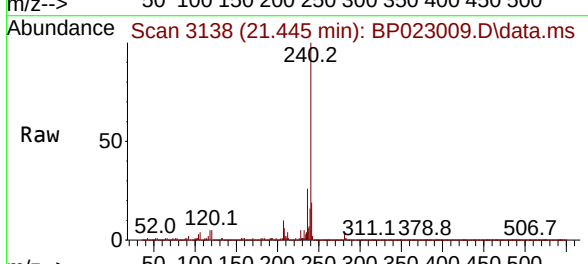
Tgt Ion:	202	Resp:	8362
Ion Ratio	Lower	Upper	
202	100		
101	5.2	0.0	25.5
203	17.6	0.0	37.2

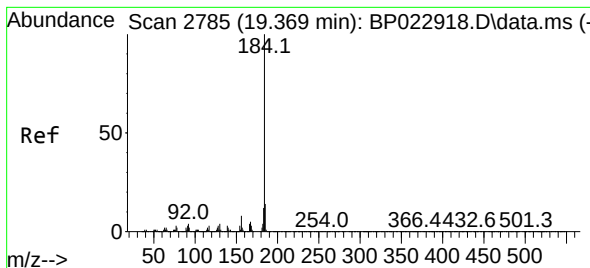
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.018 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:	240	Resp:	469181
Ion Ratio	Lower	Upper	
240	100		
120	5.0	4.2	6.2
236	26.3	20.4	30.6





#77

Benzidine

Concen: 3.522 ng

RT: 19.369 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

ClientSampleId :

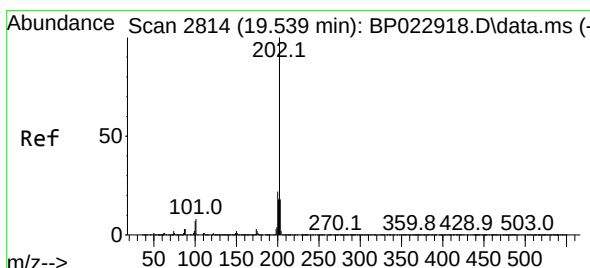
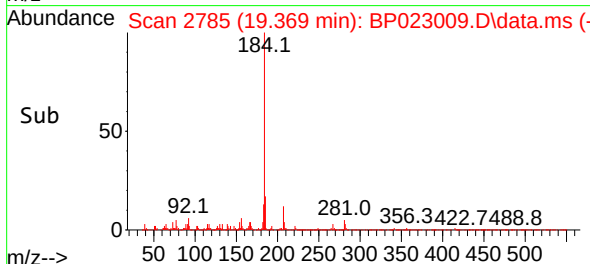
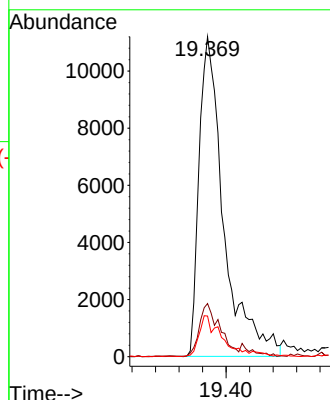
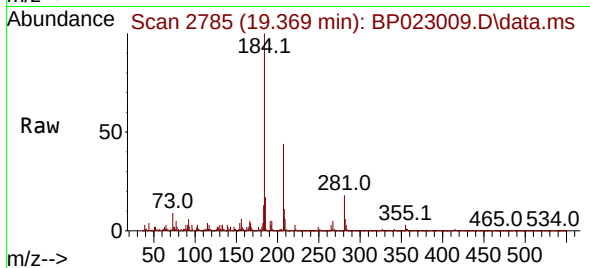
MDL-SOIL-03-QT4-2024

Tgt Ion:184	Resp:	3264
Ion Ratio	Lower	Upper
184	100	
185	16.6	11.3 16.9
183	12.7	9.7 14.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#78

Pyrene

Concen: 3.253 ng

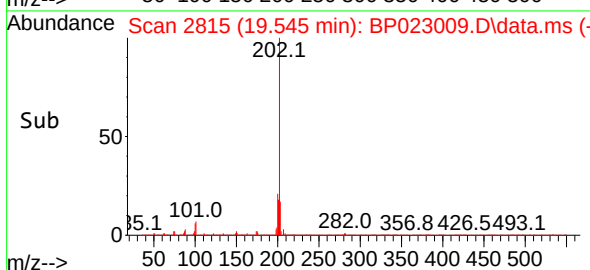
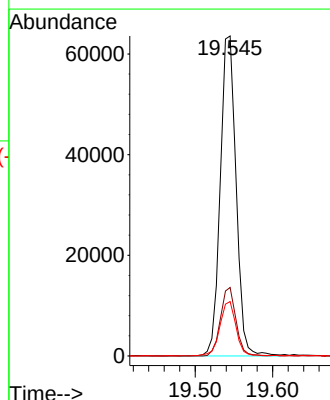
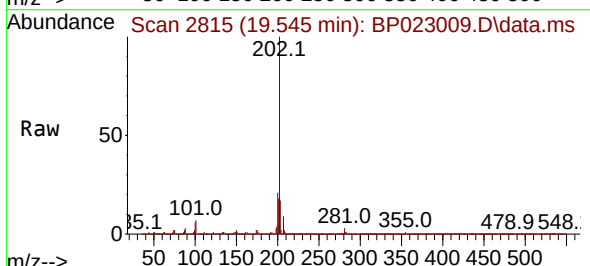
RT: 19.545 min Scan# 2815

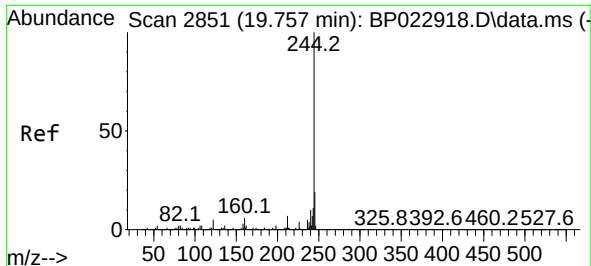
Delta R.T. 0.006 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

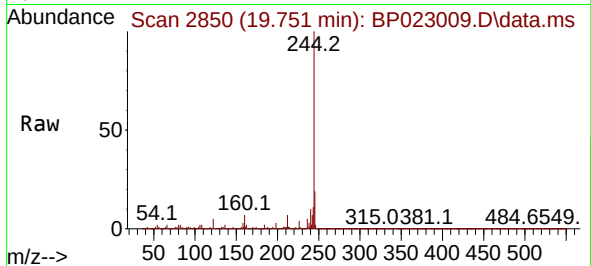
Tgt Ion:202	Resp:	90350
Ion Ratio	Lower	Upper
202	100	
200	21.4	17.4 26.0
203	17.0	14.2 21.2





#79
 Terphenyl-d14
 Concen: 80.064 ng
 RT: 19.751 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP023009.D
 Acq: 11 Nov 2024 11:34

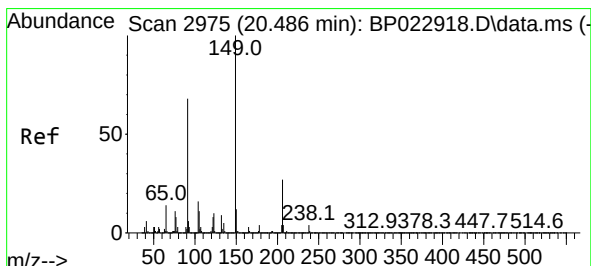
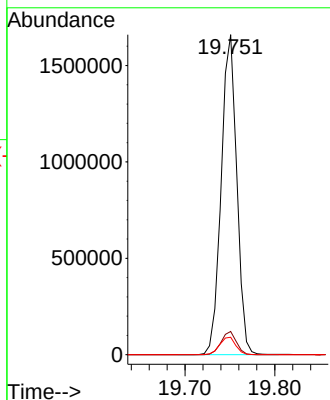
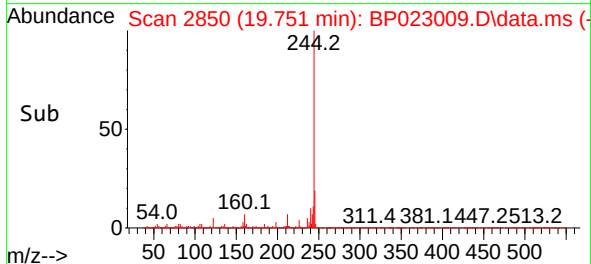
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2024



Tgt Ion:244 Resp: 200022
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 5.4 4.4 6.6

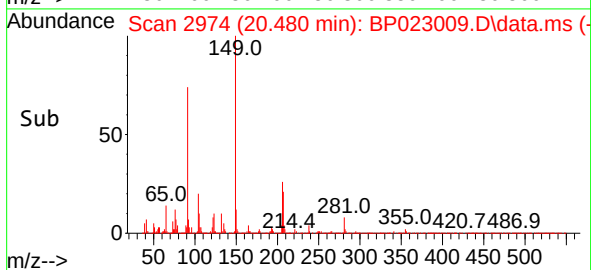
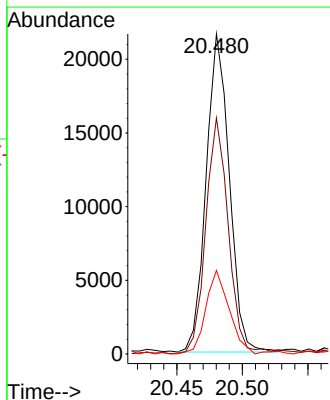
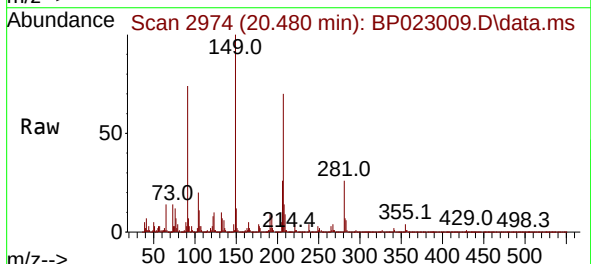
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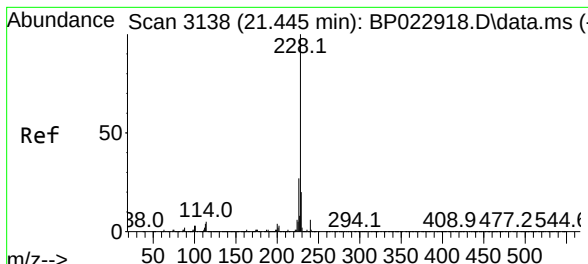
Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024



#80
 Butylbenzylphthalate
 Concen: 2.805 ng
 RT: 20.480 min Scan# 2974
 Delta R.T. -0.006 min
 Lab File: BP023009.D
 Acq: 11 Nov 2024 11:34

Tgt Ion:149 Resp: 26561
 Ion Ratio Lower Upper
 149 100
 91 73.8 54.6 82.0
 206 26.1 21.3 31.9





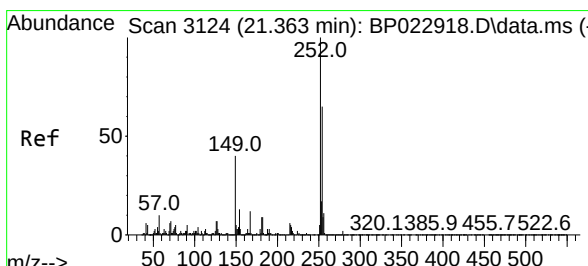
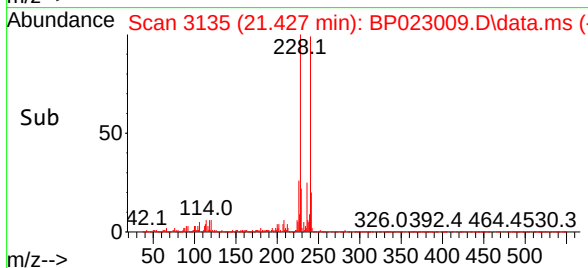
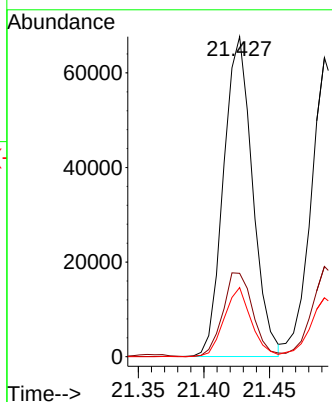
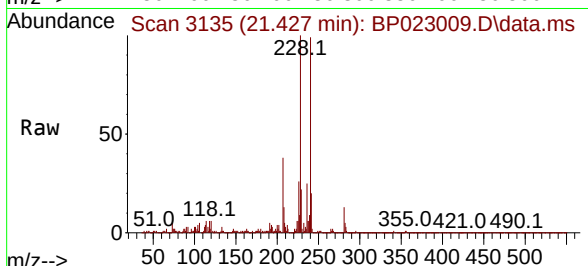
#81
 Benzo(a)anthracene
 Concen: 3.562 ng
 RT: 21.427 min Scan# 3135
 Delta R.T. -0.018 min
 Lab File: BP023009.D
 Acq: 11 Nov 2024 11:34

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:	228	Resp:	103980
Ion Ratio	Lower	Upper	
228	100		
226	26.1	21.8	32.6
229	21.6	16.0	24.0

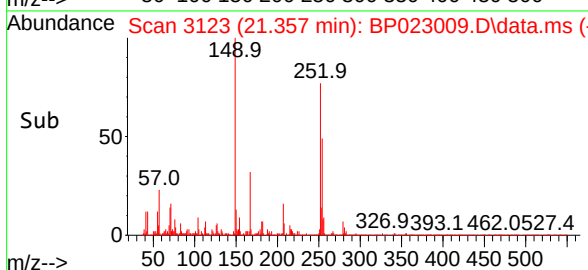
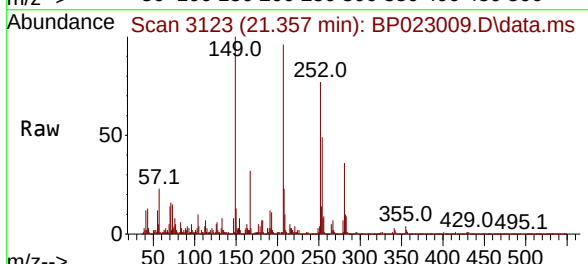
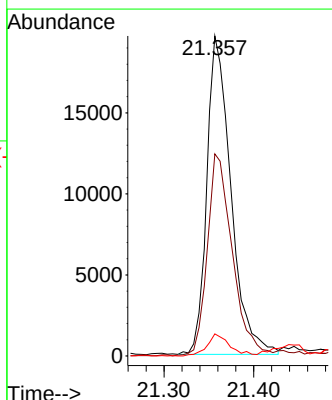
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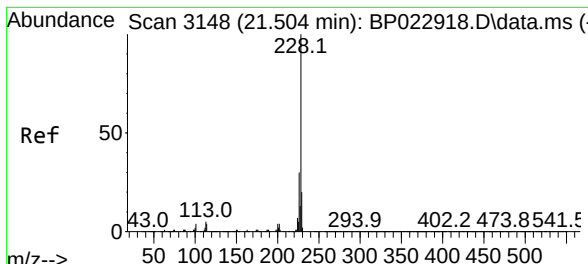
Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024



#82
 3,3'-Dichlorobenzidine
 Concen: 3.104 ng
 RT: 21.357 min Scan# 3123
 Delta R.T. -0.006 min
 Lab File: BP023009.D
 Acq: 11 Nov 2024 11:34

Tgt Ion:	252	Resp:	36681
Ion Ratio	Lower	Upper	
252	100		
254	63.2	51.7	77.5
126	6.9	5.4	8.0





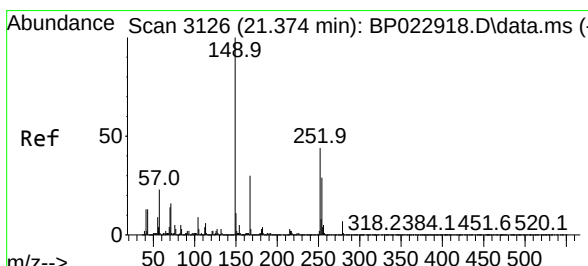
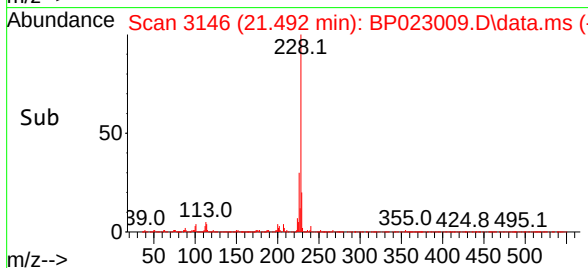
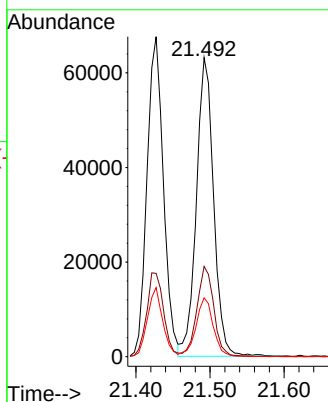
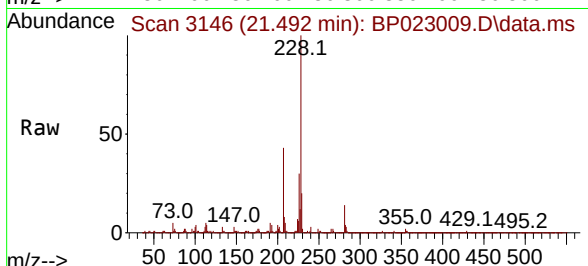
#83
Chrysene
Concen: 3.731 ng
RT: 21.492 min Scan# 3146
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:228 Resp: 102028
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 19.7 15.8 23.8

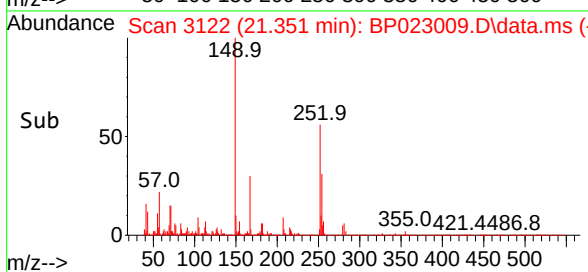
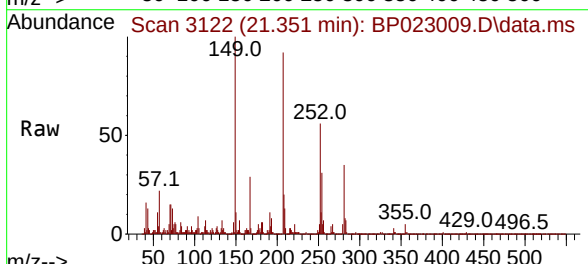
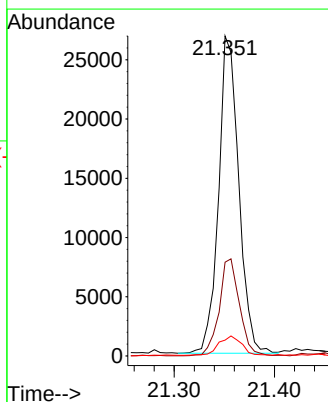
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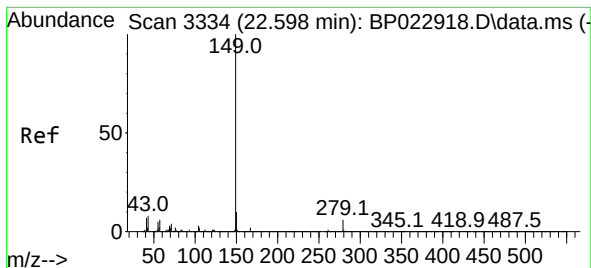
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.752 ng
RT: 21.351 min Scan# 3122
Delta R.T. -0.024 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:149 Resp: 37396
Ion Ratio Lower Upper
149 100
167 29.3 23.7 35.5
279 4.9 5.3 7.9





#85

Di-n-octyl phthalate

Concen: 2.806 ng

RT: 22.574 min Scan# 31

Delta R.T. -0.024 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

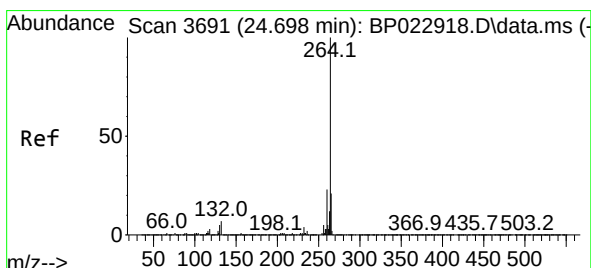
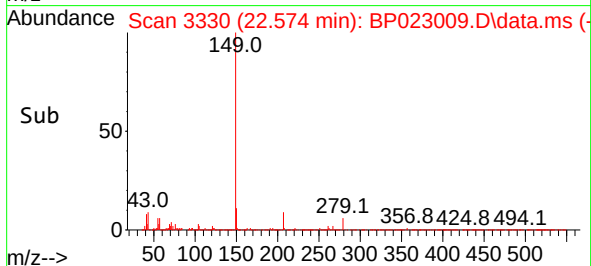
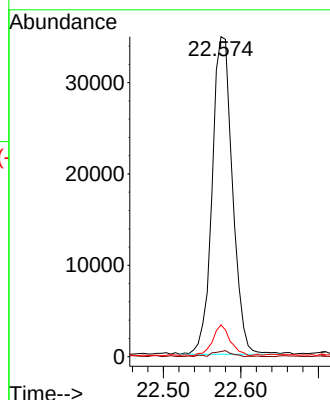
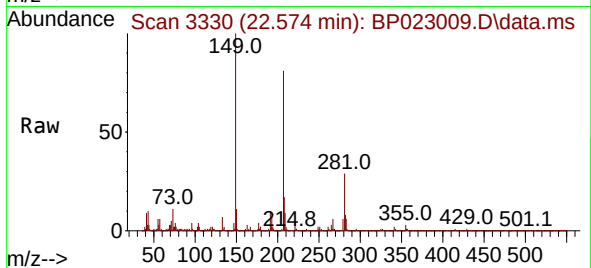
Tgt Ion:	149	Resp:	6372
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	8.0	6.3	9.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#86

Perylene-d12

Concen: 20.000 ng

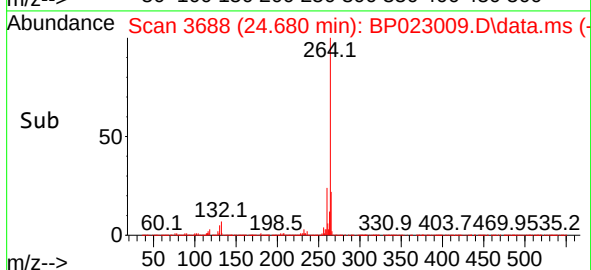
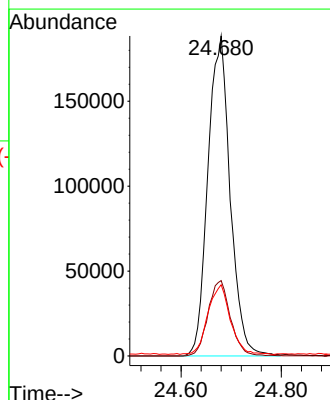
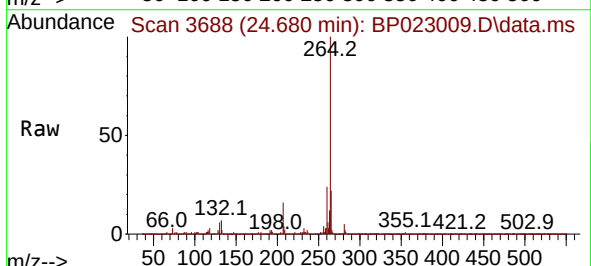
RT: 24.680 min Scan# 3688

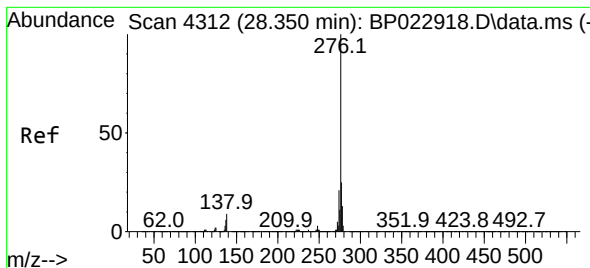
Delta R.T. -0.018 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Tgt Ion:	264	Resp:	581770
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	22.3	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.739 ng

RT: 28.345 min Scan# 4312

Delta R.T. -0.006 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

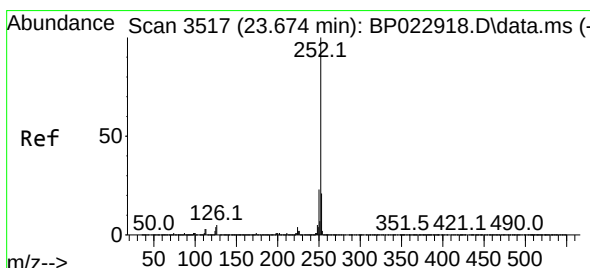
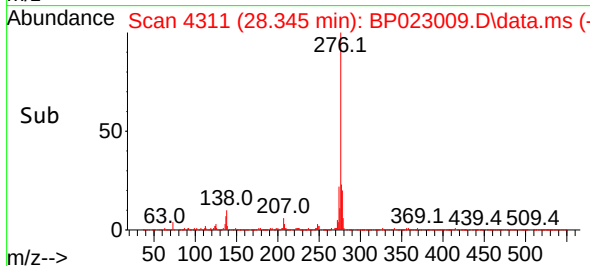
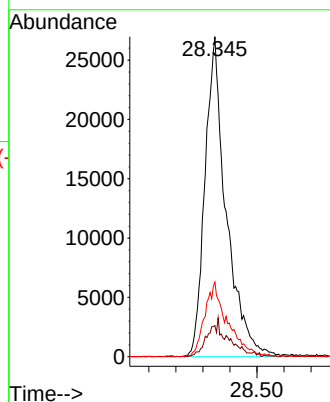
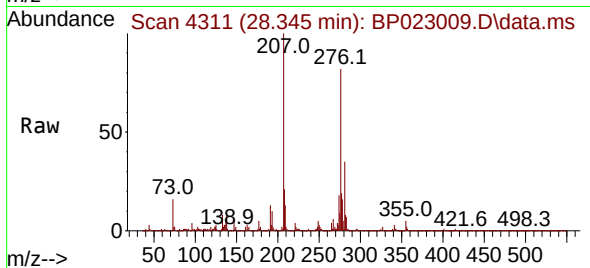
Tgt Ion:	276	Resp:	146718
Ion Ratio	Lower	Upper	
276	100		
138	5.1	8.7	13.1
277	24.7	20.3	30.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#88

Benzo(b)fluoranthene

Concen: 3.411 ng

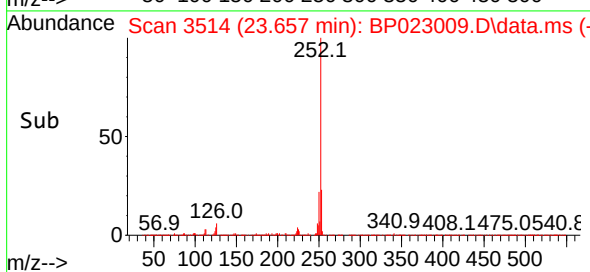
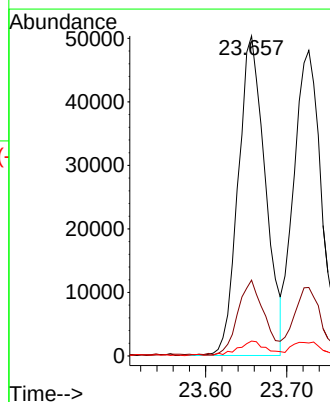
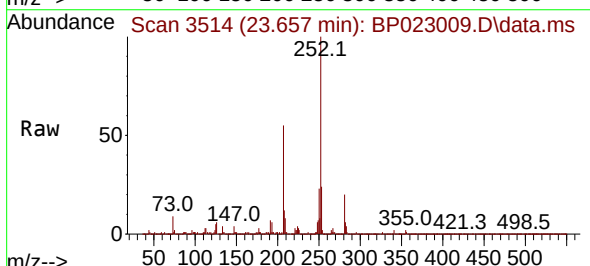
RT: 23.657 min Scan# 3514

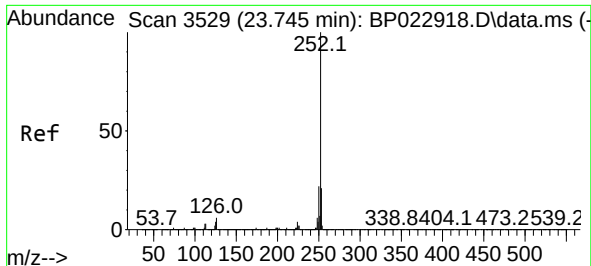
Delta R.T. -0.018 min

Lab File: BP023009.D

Acq: 11 Nov 2024 11:34

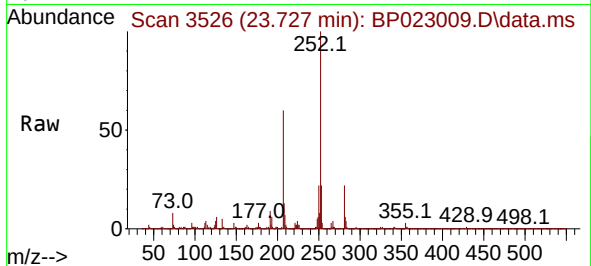
Tgt Ion:	252	Resp:	116569
Ion Ratio	Lower	Upper	
252	100		
253	23.7	16.8	25.2
125	4.6	3.2	4.8





#89
Benzo(k)fluoranthene
Concen: 3.495 ng
RT: 23.727 min Scan# 3529
Delta R.T. -0.018 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

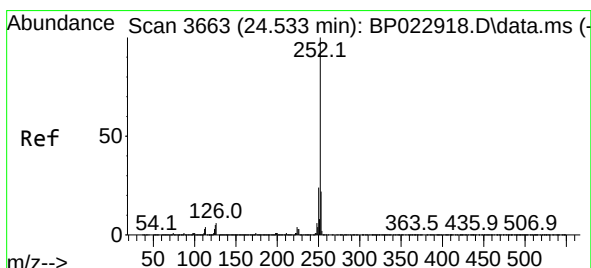
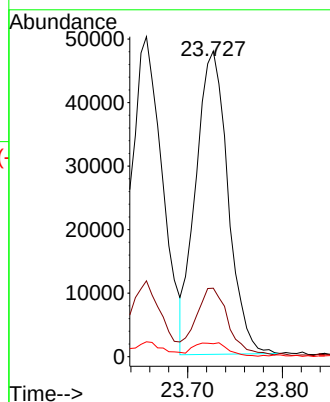
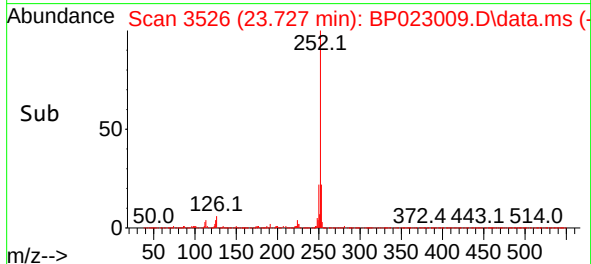
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:252 Resp: 112789
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 4.3 3.4 5.2

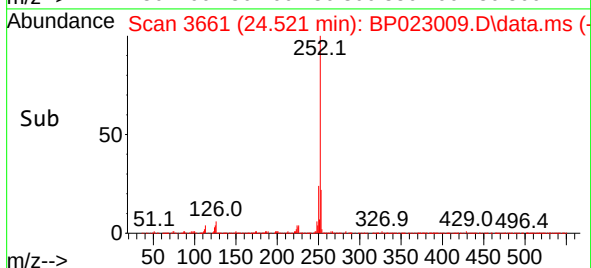
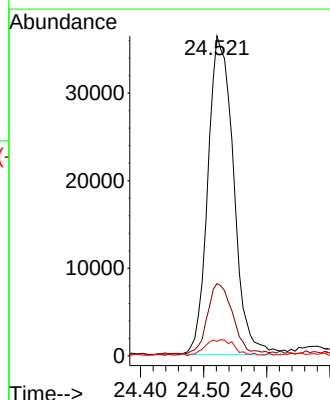
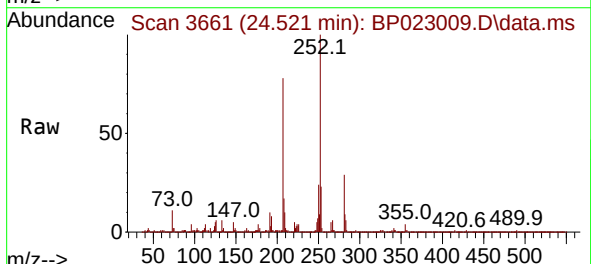
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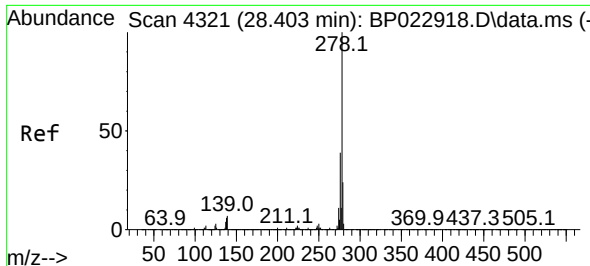
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#90
Benzo(a)pyrene
Concen: 3.514 ng
RT: 24.521 min Scan# 3661
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:252 Resp: 102776
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 4.6 4.0 6.0





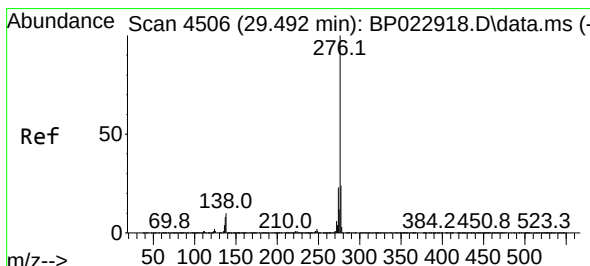
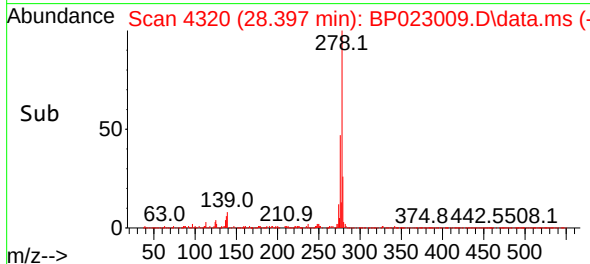
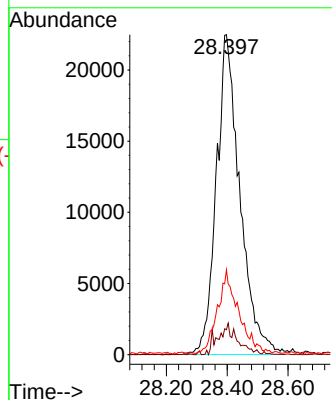
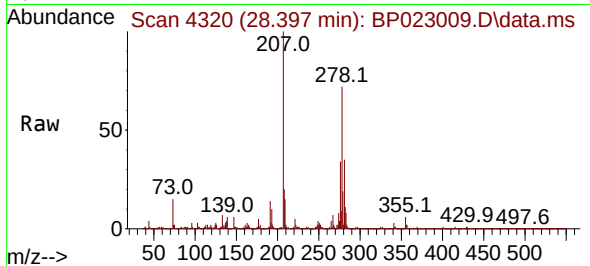
#91
Dibenzo(a,h)anthracene
Concen: 3.747 ng
RT: 28.397 min Scan# 4321
Delta R.T. -0.006 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:278 Resp: 120580
Ion Ratio Lower Upper
278 100
139 7.8 5.4 8.2
279 26.5 19.3 28.9

Manual Integrations
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Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#92
Benzo(g,h,i)perylene
Concen: 3.443 ng
RT: 29.480 min Scan# 4504
Delta R.T. -0.012 min
Lab File: BP023009.D
Acq: 11 Nov 2024 11:34

Tgt Ion:276 Resp: 113509
Ion Ratio Lower Upper
276 100
277 21.1 18.8 28.2
138 8.8 7.6 11.4

